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MEDICAL SCHOOL OF MAINE

The Medical Department

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Announcement for Course of 1904

OF THE
UNIVERSITY OF ILLIN

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1904/05

MEDICAL SCHOOL OF MAINE

The Medical Department

of

Bowdoin College

Announcement for Course of 1904

OF THE
UNIVERSITY OF ILLINOIS

SCHOOL BUILDING, BRUNSWICK

MEDICAL SCHOOL OF MAINE

The Medical Department

of

Bowdoin College

EIGHTY-FOURTH YEAR
SESSION OF 1904

PRESS OF THE BRUNSWICK RECORD
BRUNSWICK, MAINE

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FACULTY.

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PRESIDENT.
No. 85 Federal Street, Brunswick.

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• INSTRUCTOR IN NEUROLOGY.
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126 Free Street, Portland.

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154 High Street, Portland.

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CLARENCE ARDEEN PEASLEE, M. D.,
VISITORS FROM THE MAINE MEDICAL ASSOCIATION.

GRADUATES OF 1903.

Charles Spiro Bridgham	Sullivan
Richard Albert Goss	Lewiston
J. Lowell Grindle	Mt. Desert
Albert Bellathy Hagerthy	Bucksport
Marcus Philip Hambleton	Brunswick
Oramel Elisha Haney	Belfast
Edgar Ivory Hanscom, A. B	Lebanon
Louis Lenville Hills, A. B	Portland
Stillman David Little	Milltown
Fred Clarence Lord	Belgrade
Harry Alton Moody	Dover, N. H.
Harry Hill Nevers	Norway
Mason Parker	Phillips
James Percy Russell, A. B	Warren
Frank Forester Simonton, A. B	Ellsworth
Arthur Weston Strout, A. B	Gardiner
George Henry Turner	Portland
Elton Murray Varney	Brunswick
Arthur Gordon Wiley, A. B	Bethel
Robert James Wiseman	Lewiston

STUDENTS IN 1903.

FOURTH YEAR.

Charles Spiro Bridgham	Sullivan
Richard Albert Goss	Lewiston
J. Lowell Grindle	Mt. Desert
Albert Bellathy Hagerthy	Bucksport
Marcus Philip Hambleton	Brunswick
Oramel Elisha Haney	Belfast
Edgar Ivory Hanscom, A. B.	Lebanon
Louis Lenville Hills, A. B.	Portland
Stillman David Little	Milltown
Fred Clarence Lord	Belgrade
Harry Alton Moody	Dover, N. H.
Harry Hill Nevers	Norway
Mason Parker	Phillips
James Percy Russell, A. B.	Warren
Frank Forester Simonton, A. B.	Ellsworth
Arthur Weston Strout, A. B.	Gardiner
George Henry Turner	Portland
Elton Murray Varney	Brunswick
Arthur Gordon Wiley, A. B.	Bethel
Robert James Wiseman	Lewiston

THIRD YEAR.

Charles Eugene Hill Bean, A. B.	Hallowell
Joseph Napoleon Gideon Bernard	Lewiston
Ernest Victor Call, A. B.	Pittsfield
Silas Oliver Clason, A. B.	Lisbon Falls
Charles Langmaid Cragin, A. B.	Norway
John Small Dyer	New Sharon
Edwin Motley Fuller, Jr., A. B.	Bath
Edwin Wagner Gehring, B. S.	Bethel
Ralph Warren Goss, A. B.	Lewiston
William Parker Hutchins	Oakland

Albert Mark Jones, A. B	Pittsfield
Linwood Melrose Keene	Northwood, N. H.
John Benard Macdonald	Waverley, Mass.
Archibald McMillan	Boston, Mass.
Frank Leroy Magune	Rockport
Harris James Milliken, A. B	Bangor
Ralph Almeron Parker, A. B	So. Portland
George Loring Pratt, A. B	Strong
Harry Lester Small	Kingfield
Delbert Mason Stewart, A. B	Lewiston
George Willis Cole Studley	So. Portland
LeRoi Scott Syphers	So. Portland
Herman Kotzschmar Tibbetts	Portland

SECOND YEAR.

Robert Lawton Almy, Jr	Salem, Mass.
Nat Bailey Twycross Barker, A. B	Cedar Grove
Ward Elmer Butler	Blue Hill
Frank Wilson Clarke	Damariscotta
DeForest Smith Day	Jefferson
Ernest Woodbury Files, A. B	Gorham
Ernest Bertrand Folsom, A. B	Stroudwater
Arthur Davis Gould	Ellsworth
Don Leslie Harden	Phillips
Benjamin Franklin Hayden, A. B	So. Portland
Charles Henry Hunt, A. B	Portland
Harry Joseph Hunt, A. B	Bangor
Harris Page Ilsley	Limington
John Christopher O'Connor, B. S	Bradford, Mass.
Linn Foss Playse	Skowhegan
James Edward Pooler	Waterville
Fred John Pritham	Freeport
Daniel Frank Davis Russell	Leeds
Warren Hunter Sherman	Damariscotta
Fred Milton Smith	Portland

FIRST YEAR.

Harris Clark Barrows	Augusta
Paul Chester Bridgham	Cohasset, Mass.
Jesse Sumner Bragg, A. B	St. Albans

James Wilder Crane	Whiting
Arthur Osman Davis	Bridgton
John Lewis Davis	Portland
Louis Andrew Derry, A. B	Portland
Horace Everett Doughty	Kittery
Frank Leslie Ferren	W. Levant
Stanwood Elmer Fisher	Portland
Percy Emerton Gilbert, A. B.	Waterville
Leonard Harris Ford, B. S.	E. Eddington
Herbert Wilder Hall	Fairfield
George Harold Johnson	Augusta
Ralph Berry Kelley	Island Falls
Scott Goddard Larrabee	Scarboro
Ralph Alvah McIntire	Salt Lake City, Utah
Homer Elbridge Marks	Portland
Bradstreet Henry Mason	Monroe P. O., Brooks
Daniel Colin Munro	Gardiner
Maurice Albert Priest	Shawmut
Joseph Randall Ridlon	Gorham
Magnus Gervise Ridlon	Porter
Walter Joseph Roberts	Kennebunkport
Atherton Monette Ross	Phillips
Chester Blanchard Ross	So. Berwick
Alfred Herman Schriver	Middle Southampton, N. B.
Michael James Shaughnessy	Brockton, Mass.
Adam Shaw, Jr.	Lowell, Mass.
Otis Franklin Simonds	Portland
Herbert Ellery Thompson	Sebago Lake
Philip Pickering Thompson, A. B	Portland
Francis Joseph Welch	Portland
Elwin Harrison Wells	Rumney, N. H.
Chester McLoon Wiggin	Rockland
Malcolm Sumner Woodbury	Portland
Fred Sumner Woods	So. Portland

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of six months each. The studies are distributed through the curriculum according to the following schedule:

First Year: Anatomy, Histology, Physiology, Chemistry and Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Obstetrics.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Diseases of the Skin, Diseases of the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Nose and Throat, Diseases of the Joints.

The course is strictly graded, and all of the required studies of one year must be completed before those of the next succeeding year can be entered upon.

At the end of each year an examination is held in the studies of that year, and the successful student receives a certificate from the Dean testifying to his passage. Those who prefer to defer their examination and those who have failed at the close of the school-year, are allowed one examination and one only at the beginning of the next year. If, for any sufficient cause, a student is unable to be present at the time appointed for this second examination, he may be examined three weeks after the beginning of the year. Failure to pass in the studies of the final year will necessitate a repetition of the work of that year.

To be eligible for examination in the studies of the first year the student must have completed a full year of professional study and show documentary evidence to this effect; and corresponding requirements must be fulfilled before admission to second-year and third-year examinations.

An examination which is not completed receives no consideration.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third year and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it, furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, next to the Maine General Hospital, in which institution nearly all the teachers in the school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the cover) is the chief source of supply of clinical material for the school, Portland has a number of other institutions which will contribute to the

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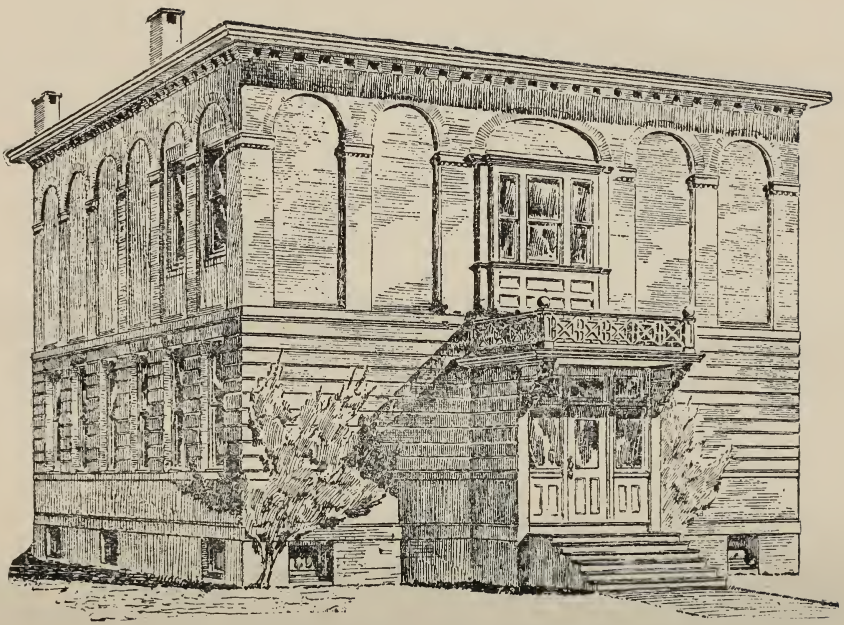
*The electric cars (Spring Street line—blue) run on Vaughn Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.



SCHOOL BUILDING, PORTLAND

bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The eighty-fourth annual course will begin on Thursday, the 24th of December, 1903, and will continue twenty-six weeks.

Examination for *admission to the school* will be held at nine o'clock in the morning of the first day, Thursday the 24th of December, in Brunswick.

Re-examinations, deferred examinations and examination for advanced standing for those who desire to enter the second year will be held in Brunswick, on Thursday, the 24th of December. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, December 26th. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

The systematic courses of instruction will begin on Monday morning the twenty-eighth of December.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Thursday and Saturday, December 24th and 26th at hours to be hereafter appointed.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction:

In each of the required four years $100. After attendance upon four full courses payment of the Matriculation fee only will be required.

For Examinations:

Payable at the end of the first year,

In Anatomy,	$5.00
In Physiology,	5.00
In Chemistry,	5.00
Payable at the close of the term of instruction in Obstetrics, for examination in this branch,	5.00

These four fees are credited on the diploma or graduation fee.

For every re-examination in any of the above studies,	$3.00

This fee is not credited on the diploma fee.

For examination or re-examination in any branch at a time not regularly appointed, the student shall pay a fee of $5.00 in addition to the prescribed fee for that examination.

Students who fail to pass the examinations at or near to the beginning of the course cannot be examined again until the end of the course.

Miscellaneous:

The Matriculation Fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, about $2.50 per year.

For materials used in the bacteriological laboratory about $2.00.

For anatomical material, its cost.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been nearly paid in the examination fees of the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be PAID IN CASH and STRICTLY IN ADVANCE.

Board and lodging cost from $3.00 to $5.00 a week.

REQUIREMENTS FOR ADMISSION.

Applicants for admission will be required to give evidence that they possess a good English education, and unless they present diplomas or entrance-tickets as provided below they must pass examinations in the following studies:

English:—Spelling, writing, construction of sentences, and English grammar in general.

Arithmetic:—As represented in the larger common-school text books on the subject.

Algebra:—Including addition, subtraction, multiplication, division, factoring, and simple equations, as, for example, the first eleven chapters in Wentworth's New School Algebra.

Geometry:—Including at least three books of some standard plane geometry, as Wells' or Wentworth's.

History of the United States:—To the extent afforded in the ordinary school history, such as Montgomery's.

Physics:—Elementary principles, as taken up in any standard school text book. Such topics as the following should be specially studied: energy, mass, specific gravity, flow of liquids and gases, action of heat and pressure, wave motions, construction and use of thermometers, reflection and refraction of light, movement of sound, development of electricity and magnetism and their general laws.

Chemistry:—The principles of inorganic chemistry, as taken up in any standard school text book. The study should have been pursued by the laboratory method, or at least with illustrative experiments by the teacher.

Latin:—Including sight-reading of easy Latin, a knowledge of the construction of Latin sentences, and the reading of some standard Latin author, as Cæsar or Virgil. At least two years should have been spent in the study of Latin in some good school.

Those who are graduates of Colleges, Normal Schools, High Schools, or Academies, or have passed the entrance examination to any recognized College, on presentation of their diplomas or matriculation tickets, will be exempt from examination, provided that their previous studies have included Latin, Chemistry and Physics, to an extent not less than herein prescribed; but if their previous studies have not included Latin, Chemistry and Physics to the required extent, they must be examined upon these branches and their diplomas or matriculation tickets will exempt them from examination in the other branches. All without exception who have not such diplomas or tickets will be required to pass the entire entrance examination.

Business colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination. The same consideration is asked for the explicit condition named as regulating the pre-payment of fees in cash.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examination must have been in this school. As evidence of his study when not in attendance upon such a school, he must present to the Dean the certificate of a regular and reputable practitioner of medicine. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean, at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental, and veterinary institutions, and in preparatory schools does not entitle a student to examination for advanced standing.

A student who has received the degree of A. B., B. S. or any similar degree after four years of study in a recognized college or technical school if his studies have included a satisfactory amount of chemistry, physics and biology, may be admitted as a second year student, but when so admitted he shall not gain third year standing until he has passed satisfactory examinations in the studies of the first and second years.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch covers two years. In the early part of the first year the elementary tissues are studied, both in the lecture room and in the histological laboratory. Then the viscera (including the cerebro-spinal axis and the organs of special senses) are taken up in such order as will enable the student to become acquainted with the structure of each organ before its function is treated of by the professor of physiology, this method being the most rational and highly economical of the pupils time. Synchronously with this work, the subjects of osteology and arthrology are pursued. All of these exercises are illustrated by casts, models, fresh and preserved specimens, and free hand blackboard drawings. Some subjects are treated by lecture, but the recitation method has the more prominent place. Four hours of didactic exercises a week are bestowed on the first year work, and the afternoons for some weeks are devoted to microscopic work. The school provides a large number of microscopes; but students owning microscopes will find it advantageous to bring them.

The second year in anatomy is devoted to the remainder of systematic anatomy and to relational anatomy. Myology is taken first, and the student must be able to recognize the muscles in the part which he is to dissect before he is allowed to work on the cadaver. Two dissections on different parts are required and students are encouraged to dissect as much more as is possible. Surface anatomy is illustrated upon the living model, upon which, also, the students are required to make demonstrations. In the examinations at the close of the year demonstrations upon the dissected subjects are a prominent feature.

Before coming to the school students can do much to equip themselves for appreciation of human anatomy by making systematic dissections of some lower animals; and to this end they are earnestly advised to follow faithfully the directions prescribed in "Physiology Practicums," which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y. Admirable books in the same line are Wilder and Gage's Anatomical Technology, Foster and Langley's Practical Physiology, and Huxley and Martin's Biology.

The Anatomical Museum, previously well supplied with wet and dry specimens, casts and models in plaster, wax, and papier mache, has recently been enriched by a large importation from Germany, also by the splendid and most generous gift of Auzoux's complete model of a man from Hon. John Fremont Hill, Governor of our State and an alumnus of 1877.

PHYSIOLOGY.

Instruction in this department is conducted with a view to the practical application of the facts of physiology to the needs of the student in his study of the diagnosis and treatment of disease, and demonstrations and experimental teaching are employed as far as they can be made to serve this end.

In the first year the work will be devoted to the functions of nutrition and reproduction; in the second year to the functions of relation. A portion of the hours will be devoted to text book recitation.

CHEMISTRY.

The chemical courses for the session of 1904 will be as follows:

First year students will begin with general chemical analysis, work in which will continue until about the time of the spring recess. The remainder of the term will be given to general organic chemistry. The work will be largely in the laboratory and will occupy from four to six hours per week.

Second year students will be given instruction in physiological chemistry and allied topics throughout the term, two to four hours per week.

The course will consist very largely of laboratory work and special attention will be given to urinary analysis.

At the end of each year examinations are held, and the results of these, taken in connection with the laboratory work and quizzes, determine whether the work has been satisfactorily completed or not.

Students who satisfy the professor of chemistry that they have pursued courses of chemical study similar to either of the above may be examined by him at the beginning of the term, and if the examination is satisfactory they will be excused from attendance upon the courses in question.

The Chemical Department embraces every article of apparatus essential to the complete illustration of the principles of Chemistry.

The laboratories in the Mary F. S. Searles Science Building furnish unsurpassed advantages for special courses in analytical chemistry, urinary analysis, and toxicology.

OBSTETRICS.

The instruction in this branch is given by lectures, recitations, and quizzes illustrated by models, manikins, and actual specimens.

INTERNAL MEDICINE.

Instruction during the third year will include general pathology, careful and extended study of diagnostic methods and special diseases.

The fourth year will be devoted to such special diseases as have not been considered during the previous year. Regular quizzes will be conducted throughout both years.

A medical clinic will be held by the professor at the Hospital every Thursday at 9 A. M., the material being furnished by the visiting physicians from the abundant resources of their wards, and by all members of the faculty as they have cases of interest which can be utilized for the illustration of subjects under treatment in the didactic course. The visiting physicians will hold additional clinics as the opportunity occurs. Definite announcements of these exercises will be seasonably made.

BACTERIOLOGY AND PATHOLOGICAL HISTOLOGY.

The new, commodious, and amply equipped laboratory in Seth Adams Hall gives excellent facilities for instruction in bacteriology and pathological histology. The course in surgical pathological histology is given in the laboratory at the school building in Portland.

1. Bacteriology. Instruction is given by lectures and laboratory work. In the laboratory course, each student is required to cultivate upon six media twelve varieties of pathogenic bacteria, to make stained microscopical preparations of each variety, and to study with the microscope the living organisms in hanging drop preparations. The media and staining fluids are prepared by students. A limited number of inoculation experiments upon animals are performed. Special attention is given to the examination of sputum for tubercle bacilli, to the diagnosis of diphtheria by means of making smears from suspected throats on Loffler's blood-serum mixture, to the technic of the serum diagnosis of typhoid fever, and to methods of staining gonorrheal pus.

2. Pathological Histology. Instruction is given by lectures and laboratory work. An introductory course of lectures upon general pathology is followed by the study of inflammations excited by chemical and bacterial causes, including the pathological histology of pneumonia, diphtheria, tuberculosis, etc. The latter part of the course is devoted mainly to the study of degenerations and tumors. In each case the description of particular lesions is followed by microscopical examination of the same lesions.

3. Blood Examination. A short course in which students are trained in counting the red and white corpuscles, in estimating the amount of hemoglobin, in preparing and examining fresh and stained specimens.

4. Surgical Pathological Histology. This is a laboratory course in which each third-year student examines microscopically the tissues obtained at the surgical clinic at the

Maine General Hospital. The microscopical preparations become the property of the student and are preserved for reference in connection with his clinic record as showing the pathology of cases previously observed.

SURGERY.

Instruction is given in the principles of surgery during the third and fourth years, and consists of both didactic teaching and clinical instruction. During the third year the didactic instruction will be limited to general surgery, including surgical bacteriology, septic and antiseptic surgery, general diagnosis, irritation, sympathy and congestion, inflammation and its effects, textural changes, new formation, benign and malignant, wounds and poisons. It will also include surgical instruments and other appliances, anesthetics and the method of their administration. Third year students will also be required to attend the surgical clinics and bedside teaching at the Maine General Hospital.

During the fourth year, the didactic lectures will be limited to special surgery, embracing the various surgical diseases, injuries and malformations of particular organs, tissues and regions of the body. Students will also attend the surgical clinics and ward instruction at the Hospital.

At the end of the fourth year, candidates for the degree of M. D. will be examined not only in special surgery, but also in the work done at the Hospital. The professor will also be at liberty to ask questions in general surgery.

The didactic lectures are supplemented by ample bed-side teaching at the Maine General Hospital. A clinic will be held at the Hospital every Saturday from 10 to 12, the visiting surgeons of which will place at the disposal of the professor whatever material in their wards he desires for illustration of the topics which he has in hand.

In addition to these systematic clinics, students have the privilege of witnessing operations almost every day at the Hospital, and these will be explained and made as useful as possible by the attending surgeons. Opportunity will be given to observe the after treatment and subsequent progress of the cases, sections of the class being permitted to visit the wards under the guidance of the surgeons on duty.

Minor and operative surgery receive due attention and the most practical character is given to the instruction, the students being required to apply bandages and other dressings, and perform operations upon the cadaver under the direct supervision of the instructor.

MATERIA MEDICA AND THERAPEUTICS.

Instruction in this department will be given during the third and fourth years.

In the third year the teaching will be given by lectures and quizzes, with special attention given to prescription writing.

In the fourth year, the lectures and quizzes will be continued, and there will also be a rècitation course in practical therapeutics.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNÆCOLOGY.

Two recitations, quizzes or lectures will be given weekly, and in addition one clinic weekly at which opportunity will be given for students to examine the female pelvis.

DISEASES OF CHILDREN

The instruction in this department will be given by lectures, recitations and clinical exercises and demonstrations.

MENTAL DISEASES.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity, with a view to the institution of treatment at the time when it is most productive of good results.

OPHTHALMOLOGY AND OTOLOGY.

A weekly clinic in diseases of the eye and ear will be held at the Hospital, on Saturdays at 11 A. M. The various diseases will be described as cases illustrating them are available for demonstration, operations will be performed when required and other treatment applied as may be necessary.

PUBLIC HYGIENE.

Instruction is given by the President of the State Board of Health by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health-boards, in the management of infectious diseases.

The faculty desire to call additional attention to the following named enlargements of and additions to the courses of instruction made operative for the present year: the doubling of the courses in Gynæcology and Pediatrics, Special Didactic and Clinical Courses in Neurology, Dermatology, Genito-Urinary and Orthopedic Surgery, in Histology and Anatomical demonstration.

Announcement of hours for clinical instruction in Genito-Urinary Surgery, Dermatology and Orthopedic Surgery, will be seasonably made.

They also desire especially to announce that in accordance with the approval of the Boards of the College the course of 1904-5 will extend from the first Thursday of November 1904 until the Commencement of 1905, thus covering a period of eight months.

THE LIBRARY.

The Library of the Medical School, containing 3700 volumes, has been combined with that of the College, which numbers over 80,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room in the main library building for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature ; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT-BOOKS.

ANATOMY—Gerrish. For reference: Quain.

PHYSIOLOGY—For recitation work, Blakiston's edition of Kirkes's. For reference, Landois and Stirling, Foster, Howell's "The American Text book of Physiology."

CHEMISTRY—For general reference, Simon, Bartley, Pellew. For reference in urinary analysis, Purdy, Black, Tyson. For use in laboratory, Robinson's Qualitative Chemical Analysis.

PUBLIC HYGIENE—For reference, Harrington, Coplin and Bevan, Parke's "Practical Hygiene," Abbott's "Hygiene of the Transmissible Diseases."

MATERIA MEDICA AND THERAPEUTICS—For recitation work, Hare; for reference, White & Wilcox, H. C. Wood, Cushney.

PRACTICE OF MEDICINE—Osler, Anders, Strumpell, Eichorst, Medical Diagnosis, DaCosta. Clinical Diagnosis, Simon. "Clinical Pathology of the Blood," Ewing.

PHYSICAL DIAGNOSIS—Cabot, Lefevre.

BACTERIOLOGY—For reference, Abbott, Muir and Richie, McFarland, Levy and Klemperer.

PATHOLOGY—For reference, Ziegler, Mallory and Wright. Coplin, Green.

TEXT BOOKS—The American Text Book of Surgery. DaCosta's Modern Surgery. Dennis' System of Surgery. Park's Treatise on Surgery. Bryant's Operative Surgery. The International Text Book of Surgery. Shurley's Diseases of Nose and Throat. Warren's Surgical Pathology and Therapeutics. The Practice of Surgery, Wharton and Curtis. Modern Surgery by Roberts. Traumatic Injuries of the Brain, Phelps.

OBSTETRICS—Williams, American Text Book of Obstetrics, Hirst, Jewett, Reynolds and Newell.

DISEASES OF WOMEN—Dudley, Penrose, Reed, Kelly 2 vols.

DISEASES OF CHILDREN—Holt, Rotch, Williams.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

DERMATOLOGY—Walker's Introduction.

ORTHOPEDIC SURGERY—Bradford and Lovett.

DICTIONARIES—Dorland Illustrated, Duane, Gould.

CALENDAR.

1903.

24 December—Thursday. Entrance Examination: for first year students, at nine o'clock, A. M. in Brunswick. Re-examinations, deferred examinations and examinations for advanced standing for second year in Brunswick, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.

25 Holiday. No exercises.

26 December—Saturday. Re-examinations, deferred examinations, and examinations for advanced standing, for third year, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Thursday and Saturday, December 24th and 26th, at hours to be hereafter appointed.

1904.

1 January—Friday. Holiday. No exercises.

22 February—Monday, Washington's Birthday. Holiday. No exercises.

April. From noon of the Wednesday immediately preceding Fast Day to the morning of the next Tuesday. Recess.

30 May—Monday. Memorial Day. Holiday. No exercises.

13 to 22 June—Monday to Wednesday of next week. Examinations.

22 June—Wednesday. Commencement.

THE MAINE GENERAL HOSPITAL, PORTLAND

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05/06

NEW SERIES NUMBER 4

BOWDOIN COLLEGE BULLETIN

MEDICAL DEPARTMENT NUMBER

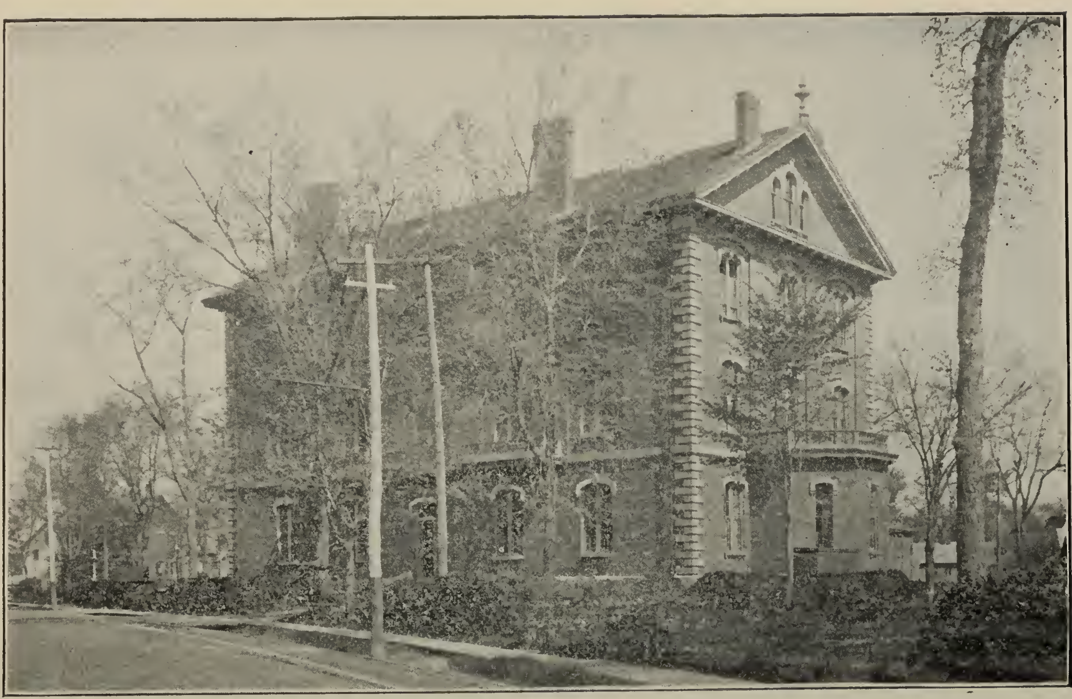
1905 1906

BRUNSWICK, MAINE
PUBLISHED BY THE COLLEGE FOUR TIMES A YEAR
IN DECEMBER, FEBRUARY, MAY, AND JULY

JULY, 1905

Entered January 10, at Brunswick, Me., as second-class matter under Act of Congress of July 16, 1894

THE LIBRARY
OF THE
UNIVERSITY OF ILLINOIS



SCHOOL BUILDING, BRUNSWICK

CATALOGUE OF THE MEDICAL SCHOOL OF MAINE, THE MEDICAL DEPARTMENT OF BOWDOIN COLLEGE

FOR THE EIGHTY-SIXTH YEAR

1905 1906

BRUNSWICK, MAINE
PRINTED FOR THE COLLEGE, MDCCCCV

PRESS OF THE BRUNSWICK RECORD
BRUNSWICK, MAINE

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730 Congress Street, Portland.

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PROFESSOR OF OBSTETRICS.
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704 Congress Street, Portland.

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662 Congress Street, Portland.

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ASSISTANT PROFESSOR IN CLINICAL SURGERY.
610 Congress Street, Portland.

WALTER EATON TOBIE, M. D.,
LECTURER IN ANATOMY.
126 Free Street, Portland.

ALFRED MITCHELL, Jr., A. B., M. D.
INSTRUCTOR IN GENITO-URINARY SURGERY.
Y. M. C. A. Building, Portland.

GUSTAF ADOLPH PUDOR, A. B., M. D.,
INSTRUCTOR IN DERMATOLOGY.
134 Free Street, Portland.

EDVILLE GERHARD ABBOTT, M. D.,
CLINICAL INSTRUCTOR IN ORTHOPEDIC SURGERY.
14 Deering Street, Portland.

GILBERT MOLLESON ELLIOTT, A. M., M. D.,
DEMONSTRATOR OF ANATOMY.
152 Maine Street, Brunswick.

RICHARD DRESSER SMALL, A. B., M. D.,
DEMONSTRATOR OF HISTOLOGY AND INSTRUCTOR IN OBSTETRICS.
154 High Street, Portland.

HERBERT FRANCIS TWITCHELL, M. D.,
INSTRUCTOR IN CLINICAL SURGERY.
10 Pine Street, Portland.

WILLIAM HERBERT BRADFORD, A. M., M. D.,
INSTRUCTOR IN SURGERY AND CLINICAL SURGERY.
711 Congress Street, Portland.

ARTHUR SCOTT GILSON, M. D.,
INSTRUCTOR IN CLINICAL SURGERY.
692 Congress Street, Portland.

WILLIAM LEWIS COUSINS, M. D.,
INSTRUCTOR IN CLINICAL SURGERY.
181 State Street, Portland.

GILMAN DAVIS, M. D.,
INSTRUCTOR IN DISEASES OF THE NOSE AND THROAT.
604 Congress Street, Portland.

JAMES EDWARD KEATING, A. B., M. D.,
INSTRUCTOR IN INTERNAL MEDICINE.
599 Congress Street, Portland.

HIRAM LIONEL HORSMAN, A. B., M. D.,
INSTRUCTOR AND ASSISTANT DEMONSTRATOR IN ANATOMY.
Insane Hospital, Augusta.

WILLIS BEAN MOULTON, A. B., M. D.,
INSTRUCTOR IN DISEASES OF WOMEN.
690 Congress Street, Portland.

FRED PATTERSON WEBSTER, M. D.,
INSTRUCTOR IN DISEASES OF CHILDREN.
12 Pine Street, Portland.

EDWIN WAGNER GEHRING, B. S., M. D.,
INSTRUCTOR IN PHYSIOLOGY.
Portland.

NORMAN JOHN GEHRING, A. B., M. D.,
ASSISTANT DEMONSTRATOR OF HISTOLOGY.
608 Congress Street, Portland.

CHARLES HENRY HUNT, A. B., M. D.,
INSTRUCTOR IN MATERIA MEDICA.
321 Brackett Street, Portland.

WALLACE WADSWORTH DYSON, M. D.,
ASSISTANT DEMONSTRATOR OF ANATOMY.
673 Congress Street, Portland.

GEORGE THOMAS LITTLE, Litt. D.,
LIBRARIAN.
8 College Street, Brunswick.

LANGDON TRUFANT SNIPE, A. B., M. D.,
CHARLES WASHINGTON BRAY, M. D.,
VISITORS FROM THE MAINE MEDICAL ASSOCIATION.

GRADUATES OF 1905.

Nat Bailey Twycross Barker, A. B.	Cedar Grove
Charles Eugene Hill Beane, A. B.	Hallowell
Jesse Sumner Bragg, A. B.	St. Albans
Frank Wilson Clarke	Damariscotta
DeForest Smith Day	Jefferson
Ernest Woodbury Files, A. B.	Gorham
Ernest Bertrand Folsom, A. B.	Stroudwater
Arthur Lewis Gould	Ellsworth
Don Leslie Harden	Phillips
Benjamin Franklin Hayden, A. B.	South Portland
Charles Henry Hunt, A. B	Portland
Harry Joseph Hunt, A. B.	Bangor
John Christopher O'Connor, B. S.	Bradford, Mass.
James Edward Pooler	Waterville
Fred John Pritham	Freeport
Daniel Frank Davis Russell	Leeds
Warren Hunter Sherman	Damariscotta
Fred Milton Smith	Portland

STUDENTS IN 1905.

FOURTH YEAR.

Name	Residence	Room
Barker, Nat Bailey Twycross, A. B.	*Cedar Grove*	299 Brackett St.
Beane, Charles Eugene Hill, A. B.	*Hallowell*	775 Congress St.
Bragg, Jesse Sumner, A. B	*St. Albans*	299 Brackett St.
Clarke, Frank Wilson	*Damariscotta*	776 Congress St.
Day, DeForest Smith	*Jefferson*	30 Whitney St.
Files, Ernest Woodbury, A. B	*Gorham*	807 Congress St.
Folsom, Ernest Bertrand, A. B	*Stroudwater*	99 Westbrook St.
Gould, Arthur Lewis	*Ellsworth*	776 Congress St.
Harden, Don Leslie	*Phillips*	775 Congress St.
Hayden, Benjamin Franklin, A. B.	*South Portland*	631 Highland Ave.
Hunt, Charles Henry, A. B	*Portland*	321 Brackett St.
Hunt, Harry Joseph, A. B	*Bangor*	96 Federal St.
O'Connor, John Christopher, B. S.	*Bradford, Mass.*	776 Congress St.
Pooler, James Edward	*Waterville*	775 Congress St.
Pritham, Fred John	*Freeport*	776 Congress St.
Russell, Daniel Frank Davis	*Leeds*	776 Congress St.
Sherman, Warren Hunter	*Damariscotta*	30 Whitney St.
Smith, Fred Milton	*Portland*	807 Congress St.

THIRD YEAR.

Name	Residence	Room
Barrows, Harris Clark, A. B	*Augusta*	26 Arsenal St.
Davis, Arthur Osman	*Bridgton*	302 Bramhall St.
Davis, John Lewis	*Portland*	328 Fore St.
Derry, Louis Andrew, A. B	*Portland*	221 Federal St.
Ferren, Frank Leslie	*W. Levant*	46 Ellsworth St.
Fisher, Stanwood Elmer	*Portland*	26 Brackett St.
Ford, Leonard Harris, B. S	*E. Eddington*	46 Ellsworth St.
Gilbert, Percy Emerton, A. B	*Waterville*	174 Neal St.
Ilsley, Harris Page	*Limington*	19 Deering Avenue
Larrabee, Scott Goddard	*Scarboro*	302 Brackett St.
Marks, Homer Elbridge	*Portland*	302 Brackett St.
Ridlon, Joseph Randall, A. B	*Gorham*	302 Brackett St.
Roberts, Walter Joseph	*Kennebunk*	26 Arsenal St.

Ross, Atherton Monette	*Phillips*	26 Arsenal St.
Sampson, Harry William	*Monson*	120 Pleasant St.
Schriver, Alfred Herman	*Middle Southampton, N. B.*	Portland
Shaw, Adam Jr	*Lowell, Mass.*	19 Deering Avenue
Welch, Francis Joseph, A. B.	*Portland*	220 Danforth St.
Woodbury, Malcolm Sumner, A. B.	*Portland*	156 Stevens Avenue

SECOND YEAR.

Name	Residence	Room
Dolloff, David Ernest	*Monroe, Brooks P. O.*	6 Cleaveland St.
Everett, Harold Josselyn, A. B.	*Portland*	31 College St.
Foster, Ralph Waldo	*Milbridge*	185 Maine St.
Giddings, Harold Girard, A. B.	*Gardiner*	7 A. H.
Hall, Herbert Wilder	*Brooks*	12 Everett St.
Hanson, Millard Parker	*Bath*	30 Cumberland St.
Keller, Benjamin Henry	*Appleton*	6 Cleaveland St.
Lewis, William Jerris	*S. Framingham, Mass*	12 Everett St.
Moore, Roland Banks	*Portland*	172 Maine St.
Newcomb, Charles Howard	*Newburgh Village*	6 Cleaveland St.
North, Charles David	*Turner*	6 Cleaveland St.
Pettingill, Olin Sewall	*Wayne*	185 Maine St.
Priest, Maurice Albert	*Shawmut*	13 Everett St.
Quinn, Hugh Francis, A. B.	*Bangor*	7 W. H.
Ridlon, Magnus Gervise	*Porter*	13 Everett St.
Ross, Archabald Charles	*Phillips*	Brunswick
Rowe, William Thomas, A. B.	*Portland*	23 W. H.
Sawyer, Alfred Loomis, A. B.	*Fort Fairfield*	172 Maine St.
Saunders, Henry Clayton, A. B.	*Portland*	23 W. H.
Sturgis, Karl Brooks	*Auburn*	179 Park Row
Varney, Fred Lord	*Enfield*	12 Everett St.
Webber, Merton Ardeen	*Fairfield*	30 Cumberland St.
Webber, Millard Carroll	*Fairfield*	30 Cumberland St.
Whitmore, William Cotmore	*Portland*	2 Elm St.
Wyndham, Charles Arnold	*Lisbon Falls*	6 Cleaveland St.

FIRST YEAR.

Name	Residence	Room
Abbott, Henry Wilson	*Waterville*	7 Potter St.
Anderson, Hany Edward	*S. Limington*	179 Park Row
Atwood, Harold Fisher	*Norwood, Mass*	13 Everett St.
Bibber, Harold Thornton	*Bath*	335 Front St.
Bodwell, Ernest	*Brunswick*	24 Bowker St.

Buker, Edson Bayard	*Waldoboro*	84 Federal St.
Cox, James Francis	*Houlton*	7 A. H.
Crane, James Wilder	*Whiting*	13 Everett St.
Foster, George Adams	*Bangor*	10 W. H.
Garcelon, Harold Webb	*Lewiston*	26 A. H.
Geer, George Independence	*Westbrook*	12 Everett St.
Greene, John Adolph	*Coplin*	216 Maine St.
Hasty, Willis LeRoy	*Thorndike*	8 Harpswell Place
Jones, Arthur Leon, A. B	*Old Orchard*	31 A. H.
Marshall, Linn Bayard	*Portland*	12 Pleasant St.
McKay, Roland Lee	*Bowdoinham*	Bowdoinham
Mullin, Seth Smith	*Vinalhaven*	1 W. H.
Percy, Samuel Watson	*Bath*	13 Everett St.
Precour, George Charles	*Saco*	12 Pleasant St.
Potter, John Garfield	*Providence, R. I.*	13 Everett St.
Staples, Ivan	*Limerick*	179 Park Row
Stewart, Ralph Carroll	*New Vineyard*	13 M. H.
Stone, George Henry	*Portland*	Theta Delta Chi House
Thayer, Harold Hamilton, A. B	*S. Paris*	179 Park Row
Twaddle, Widd Browne	*Bethel*	13 Everett St.
Tucker, George Everett	*Hyde Park, Mass*	10 W. H.
Whitney, Harlan Ronello	*Standish*	9 Cleaveland St.
Williams, Edmund Percy, A. B	*Topsham*	9 Cleaveland St.
Wilson, Charles Moore	*Waterford*	216 Maine St.
Woodruff, John Hamilton	*Brunswick*	262 Maine St.

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of eight months each. The studies are distributed through the curriculum according to the following schedule:

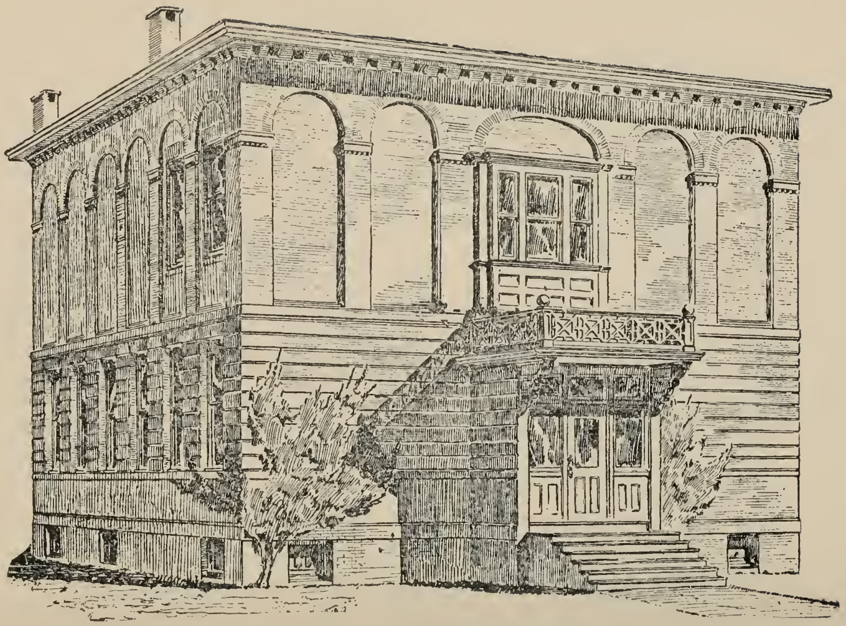
First Year: Anatomy, Histology, Physiology, Chemistry and Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Diseases of Women, Obstetrics.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Neurology, Diseases of the Skin, Diseases of the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Joints, Diseases of the Nose and Throat.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, near the Maine General Hospital, in which institution nearly



SCHOOL BUILDING, PORTLAND

all the teachers in the school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the book) is the chief source of supply of clinical material for the school, Portland has a number of other institutions which will contribute to the bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The eighty-sixth annual course will begin on Thursday, the 19th of October, 1905, and will continue eight months.

Examination for *admission to the school* will be held at nine o'clock on the morning of the first day, Thursday the 19th of October, in Brunswick, and will be conducted by the Academic Committees on entrance examination to the College.

Final examinations for each class will be held in the period from the 7th to the 21st of June.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick, on Friday, the 20th of October. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 21st., examinations in anatomy at nine o'clock A. M., in physiology at 2 o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in

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*The electric cars (Spring Street line—blue) run on Vaughn Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.

Portland on Friday and Saturday, October 20th and 21st, at hours to be hereafter appointed.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Dean.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course; if he then fails to pass or fails to present himself, he may be examined at the end of three weeks at the examination provided for those who enter late. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he has previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work, will be warned of his deficiency from time to time, before the end of the term.

An examination which is not completed receives no consideration.

The systematic courses of instruction will begin on Monday morning, the twenty-third of October.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction:

In each of the required four years $100. After attendance upon four full courses payment of the Matriculation fee only will be required.

For Examinations:

Payable at the end of the first year,

In Anatomy,	$5.00
In Physiology,	5.00
In Chemistry,	5.00
Payable at the close of the term of instruction in Obstetrics, for examination in this branch,	5.00

These four fees are credited on the diploma or graduation fee.

For every re-examination in any of the above studies,	$3.00

This fee is not credited on the diploma fee.

For examination or re-examination in any branch at a time not regularly appointed, the student shall pay a fee of $5.00 in addition to the prescribed fee for that examination.

Miscellaneous:

The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $4 for first course, $3 for second course, payable in advance.

Material used in the physiological laboratory furnished at cost.

For materials used in the bacteriological laboratory about $2.00.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been nearly paid in the examination fees of the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be *paid in cash* and *strictly in advance.*

Unfurnished rooms heated by steam can be secured in the College dormitories at a rental of from $72 to $108 for each course. Furnished rooms outside the College can be obtained at a rental of from $1.50 to $2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from $3.00 to $3.50 a week.

The cost of living in Portland has been found to be not in excess of that at Brunswick.

$15 to $25 a year covers the cost of books.

REQUIREMENTS FOR ADMISSION.

Applicants for admission will be required to give evidence that they possess a good English education, and unless they present diplomas or entrance-tickets as provided below they must pass examinations in the following studies:

English:—Spelling, writing, construction of sentences and English grammar in general.

Arithmetic:—As represented in the larger common-school text books on the subject.

Algebra:—Including addition, subtraction, multiplication, division, factoring and simple equations, as, for example, the first eleven chapters in Wentworth's New School Algebra.

Geometry:—Including at least three books of some standard plane geometry, as Wells' or Wentworth's.

History of the United States:—To the extent afforded in the ordinary school history, such as Montgomery's.

Physics:—Elementary principles, as taken up in any standard school text book. Such topics as the following should be specially studied: Energy, mass, specific gravity, flow of liquids and gases, action of heat and pressure, wave motions, construction and use of thermometers, reflection and refraction of light, movement of sound, development of electricity and magnetism and their general laws.

Chemistry:—The principles of inorganic chemistry, as taken up in any standard school text book. The study should have been pursued by the laboratory method, or at least with illustrative experiments by the teacher.

Latin:—Including sight-reading of easy Latin, a knowledge of the construction of Latin sentences, and the reading of some standard Latin author, as Cæsar or Virgil. At least two years should have been spent in the study of Latin in some good school.

Those who are graduates of Colleges, Normal Schools, High Schools, or Academies, or have passed the entrance examination to any recognized College, on presentation of their diplomas or matriculation ticket, will be exempt from examination, provided that their previous studies have included Latin, Chemistry and Physics, to an extent not less than herein prescribed; but if their previous studies have not included Latin, Chemistry and Physics to the required extent, they must be examined upon these branches and their diplomas or matriculation tickets will exempt them from examination in the other branches. All without exception who have not such diplomas or tickets will be required to pass the entire entrance examination.

Business colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination. The same consideration is asked for the explicit condition named as regulating the pre-payment of fees in cash.

REQUIREMENTS FOR ADMISSION IN 1907.

In the autumn of 1907 and thereafter an applicant for admission, who gives satisfactory evidence that he has passed the entrance examination to any reputable college of arts, science, or philosophy will be admitted without examination, provided that his preparation satisfies the requirements enumerated below. If his preparation is lacking in one or more of these respects, the deficiency must be made up by examination.

An applicant must offer subjects amounting in all to twenty-six points.

The following subjects, aggregating nineteen points, are required:

English,	4
Latin,	4
Algebra,	4
Plane Geometry,	2

American History,	1
Chemistry,	2
Physics,	2

Subjects amounting to seven points must be elected from the following list:

Elementary German,	4
Elementary French,	2
Elementary Greek,	4
Advanced Latin,	4
English History,	1
Greek History,	1
Roman History,	1
Zoology,	1

In the autumn of 1909 and thereafter Zoology will be placed in the list of required subjects.

The amount of attainment required in each of the subjects specified is stated below.

English:—The candidate will be required to present evidence of a general knowledge of the subject-matter of the books mentioned, and to answer simple questions on the lives of their authors. The examination will usually be the writing of a paragraph or two on each of several topics set in the paper given the candidate. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part of the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

Latin:—The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week extending through at least three school years. It will consist of two parts:

(a) The translation at sight of simple Latin prose and verse.

(b) A thorough examination on Cicero's second, third and fourth speeches against Catiline, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language; the test to consist, in part, of writing simple Latin prose, involving the use of such words, constructions, and idioms only, as occur in the speeches prescribed.

Algebra:—The requirement in Algebra embraces the following topics: All elementary processes necessary for the solution of simultaneous equations of the first degree; the statement and solution of problems leading to these equations; treatment of inequalities; doctrine of square and cube root; theory of exponents; radicals and imaginaries; solutions of quadratics and equations in quadratic form by the method of completing the square, by factoring, and by a formula; discussion of the properties of quadratics; quadratics containing two unknown quantities, and the solution of problems leading thereto; ratio and proportion; arithmetical and geometric progressions; binomial theorem for positive integral exponents.

Plane Geometry:—The requirement in Plane Geometry includes the theorems and exercises of the ordinary school text-book; mensuration of plane figures; and numerical problems based on the text. The candidate should be able to write formal demonstrations of simple original theorems.

History;—1. Greek History. To the death of Alexander with due reference to Greek life, literature, and art.

2. Roman History. To 800 A. D. with due reference to government and institutions.

3. English History. With special reference to social and political development.

4. American History. With special attention to the development of institutions and principles of civil government.

The examinations in these subjects will call for comparison of historical characters and periods, for summaries of institutional development, and in general for exercise of judgment as well as memory. A knowledge of historical geography, which will be tested by an outline map is essential. The amount of collateral reading which has been done by the student will be taken into consideration. In general, all schools are urged to take steps to make their courses conform as far as possible to the recommendations of the Committee of Seven.

Chemistry:—General Chemistry as represented by Remsen's "Introduction to Chemistry" or some other text-book of similar scope. Candidates must present note-books, certified by their instructors, in which are the results of their own experiments and full notes of processes; and not less than one-half of the time spent upon chemistry must have been given to laboratory work.

Physics:—Physics as represented by Gage's "Elements of Physics" or other text-book of equal grade. Candidates must be able to solve numerical examples under the various sections; must have performed forty experiments from Hall and Bergen's Text-book, and have kept a note-book containing a written description in their own language of their experiments, with all their calculations. These note-books must be certified by their instructors and presented at the examination.

Elementary German:—*(a)* The translation at sight of simple German prose. *(b)* Questions intended to test the candidate's knowledge of elementary grammar. *(c)* The translation into German of simple English sentences, or of easy connected prose.

The examination in Elementary German presupposes a knowledge of the elements of German grammar as represented, for example, by Harris' "German Lessons," or Part I of Joynes-Meissner or Thomas' "German Grammar;" German Prose Composition as represented, for example, by Harris' "German Prose Composition" pages 10 to 50; and ability to read at sight ordinary German prose or simple poetry. Those desiring guidance in the selection of suitable texts will find helpful the list given in Section VIII, Report of the Committee of Twelve of the Modern Language Association, United States Bureau of Education.

Elementary French:—Elements of French Grammar, as represented in amount by Fraser and Squair's "French Grammar and Reader," to page 161, and 150 pages of modern French Prose.

Elementary Greek:—The examination will be adapted to the proficiency of those who, in addition to the course defined as suitable preparation for the examination in Elementary Latin, have studied Greek in a systematic course of five exercises a week, extending through at least two school years. It will consist of two parts:

(*a*) The translation at sight of passages of simple Attic prose.

(*b*) A thorough examination on Xenophon's "Anabasis", Book II, directed to testing the candidate's mastery of the ordinary forms, constructions and idioms of the language; the test to consist, in part, of writing simple Attic prose, involving the use of such words, constructions, and idioms only, as occur in the portion of Xenophon prescribed.

Advanced Latin:—The examination will be adapted to the proficiency of those who have studied Latin in a systematic course of five exercises a week, extending through at least four school years. It will consist of two parts:

(*a*) The translation at sight of passages of Latin prose and verse, with questions on ordinary forms, constructions, and idioms, and on prosody.

(*b*) The translation into Latin prose of a passage of connected English narrative. The passage set for translation will be based on some portion of the Latin prose works usually read in preparation for college, and will be limited to the subject-matter of those works.

Zoology:—This subject will be required to an extent represented by Packard's "First Lessons in Zoology".

In place of examinations, certificates will be received from preparatory schools in New England which have been approved by the New England College Entrance Certificate Board.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examination must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean, at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions, and in preparatory schools does not entitle a student to examination for advanced standing.

A student who has received the degree of A. B., B. S., or any similar degree after four years of study in a recognized college or technical school if his studies have included a satisfactory amount of chemistry, physics and biology, may be admitted as a second year student, but when so admitted he shall not gain third year standing until he has passed satisfactory examinations in the studies of the first and second years.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch covers two years. In the early part of the first year the elementary tissues are studied, both in the lecture-room and the histological laboratory. Then the viscera (including the cerebro-spinal axis and the organs of the special senses) are taken up in such order as will enable the student to become acquainted with the structure of each organ before its function is treated of by the professor of physiology. At the same time with this work the subjects of osteology and arthrology are pursued. All of these exercises are illustrated by casts, models, fresh and preserved specimens. Some subjects are treated by lectures; but the recitation method has the more prominent place.

A large number of disarticulated skeletons are provided, and may be borrowed by the class, so that each student may study his osteology in the most practical way. The course in minute anatomy extends throughout the year, each student being provided with a microscope, and having a careful drill in staining and mounting specimens, as well as in the recognition of the structure of the various organs. The dissection of some higher vertebrates is practiced in the latter part of the year, with a view to the observation of the homologies, and also the attainment of manual dexterity with anatomical implements.

The second year in anatomy is devoted to the remainder of systematic anatomy and to relational anatomy. Myology is taken first, and the students must be able to recognize the muscles in the part which he is to dissect before he is allowed to work on the cadaver. Two dissections on different parts are required and students are encouraged to dissect as much more as is possible. Surface anatomy is illustrated upon the living model, upon which, also, the students are required to make demonstrations. In the examinations at the close of the year demonstrations upon the dissected subjects are a prominent feature.

Before coming to the school students can do much to equip themselves for appreciation of human anatomy by making systematic dissections of some lower animals; and to this end they are earnestly advised to follow faithfully the directions prescribed in "Physiology Practicums," which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y. Admirable books in the same line are Wilder and Gage's Anatomical Technology, Foster and Langley's Practical Physiology, and Huxley and Martin's Biology.

The Anatomical Museum, previously well supplied with wet and dry specimens, casts and models in plaster, wax, and papier mache, has recently been enriched by a large importation from Germany, also by the splendid and most generous gift of Auzoux's complete model of a man from Hon. John Fremont Hill, Ex-Governor of our State and an alumnus of 1877.

PHYSIOLOGY.

Instruction in this department is conducted with reference to the practical application of the facts of human physiology to the needs of the student, in his study of the diagnosis and treatment of disease. Class room demonstrations and experimental laboratory teaching are employed, so far as they can be made to serve this purpose.

The instruction will be given by practical laboratory work, text book recitations and supplementary lectures.

A new laboratory fully equipped with the Harvard apparatus is now available.

The work of the first year will be devoted to study by practical laboratory exercises, extending over half the term, of the functions of Nutrition. Special attention will be given to the physiology of nerve and muscle, of the Blood, including its microscopical study; Digestion and the phenomena and physics of the Circulation and Respiration. Students will be taught to demonstrate for themselves the essential facts connected with these functions.

Written reviews will be held from time to time besides regular quizes upon both the didactic and laboratory work.

The work of the second year will be devoted to the study of Reproduction, the Nervous System, the Special Senses and the physiology of Voice and Speech.

The department is well equipped with charts, models and apparatus for demonstration and experimental work, admirably adapted to aid in giving students a thoroughly practical course in Physiology.

Laboratory material will be supplied at cost. Students will furnish their own instruments for nerve-muscle dissection, and will be charged with the cost of any breakage of apparatus.

In connection with this course several hours will be devoted to the subject of Personal Hygiene.

CHEMISTRY.

The chemical courses extend over the first two years. They consist of lectures, conferences and laboratory work, occupying from three to six hours per week for each class. As a knowledge of general inorganic chemistry is required for admission, first year men begin with the application of general chemistry to the qualitative analysis of simple substances. This is followed by the principles and practice of quantitative analysis, especially volumetric.

The examples used in analysis are selected with special reference to the work of a physician, and include water, air, and the inorganic poisons. The analytical courses take the first half year.

The second half year with first year men is given to general organic chemistry, in which the structure, preparation and relation of structure to properties are illustrated in cases of the simpler compounds.

Second year students begin with a study of the more complex organic compounds related to medicine, such as the synthetic coal tar compounds, the alkaloids, ptomains and leucomains.

This is followed by physiological chemistry including analysis of urine and other secretions.

The aim is to make the chemical courses as practical as possible. To this end the student is taught to prepare many of the solutions and test substances, as well as to use them. He is taught also how to construct apparatus, manipulate glass tubing, etc. The facilities afforded by the Searles Science Building make it possible to do this to an unusual degree.

Students who have completed in other schools, courses of study equivalent to the above, may, upon examination, be excused from any of them.

Each student is required to pay in advance a laboratory fee, covering the average cost of chemicals, gas and water. This is $4 for first year men and $3 for second. In addition each will pay for apparatus broken or not returned at the end of the term.

OBSTETRICS.

Instruction in this department will be given by lectures and recitations. The instructor in Obstetrics will demonstrate for the class, in sections, work on the manikin: the diagnosis of position and presentation, the mechanism of normal labor; the manoeuvers necessary in the delivery of abnormal cases, version and application of forceps. Each member of the class will have a chance to perform these various manipulations.

It is hoped that an arrangement will be made whereby the city maternity cases will be at the disposal of the teachers, so clinical instruction may be given to the class in sections, and individual cases furnished for each member.

INTERNAL MEDICINE.

Instruction during the third year will include careful and extended study of diagnostic methods and special diseases.

The fourth year will be devoted to such special diseases as have not been considered during the previous year. Regular recitations will be conducted throughout both years.

A medical clinic will be held by the professor at the Hospital every Thursday from 9 until 11 A. M., the material being furnished by the visiting physicians from the resources of their wards, and by all members of the faculty as they have cases of interest which can be utilized for the illustration of subjects under treatment in the didactic course. The visiting physicians will hold additional clinics as the opportunity occurs. Definite announcements of these exercises will be seasonably made.

PATHOLOGY AND BACTERIOLOGY.

The new, commodious, and amply equipped laboratory in Seth Adams Hall gives excellent facilities for instruction in bacteriology and pathological histology. The course in surgical pathological histology is given in the laboratory at the school building in Portland.

1. Bacteriology. Instruction is given by lectures and laboratory work. In the laboratory course, each student is required to cultivate upon six media twelve varieties of pathogenic bacteria, to make stained microscopical preparations of each variety, and to study the living organisms in hanging drop preparations. Principles of disinfection are

verified by experiment. The media and staining fluids are prepared by students. A limited number of inoculation experiments are performed. Students make bacteriological examination of water and milk. Special attention is given to the examination of sputum for tubercle bacilli, to the diagnosis of diphtheria by means of making smears from suspected throats on Loffler's blood-serum mixture, to the technic of the serum diagnosis of typhoid fever, and to methods of staining gonorrheal pus.

2. General Pathology and Pathological Histology. Instruction is given by recitations, lectures and laboratory work. In the laboratory course much use is made of a large collection of microscopical preparations. The work begins with the study of inflammations excited by chemical and bacterial causes, including the pathological histology of pneumonia, diphtheria, tuberculosis, etc. Later follows the study of degenerations and tumors. As far as possible, the consideration of a subject in the class-room is followed immediately by a study of the same subject in the laboratory. During the latter part of the course much time is given to diagnosis work upon microscopical preparations.

3. Blood Examination. A short course in which students are trained in counting the red and white corpuscles, in estimating the amount of hemoglobin, in preparing and examining fresh and stained specimens.

4. Surgical Pathological Histology. This is a laboratory course in which each third-year student examines microscopically the tissues obtained at the surgical clinics at the Maine General Hospital. Students have opportunity for making their own microscopic preparations which may be preserved for reference in connection with clinic records.

SURGERY.

The instruction in surgery is given by lectures, recitations, demonstrations, clinics, diagnosis exercises on the patient, and operations on the cadaver. It extends throughout the third and fourth years of the course. The didactic work is done by the professor and the instructor, the clinical by the surgeons of the Maine General Hospital, all of whom are officers in the School.

In the didactic course the recitation will occupy the principal place; but the lecture method will be employed whenever desirable, as in the introduction of new topics, the blocking-out of advance work, and the explanation of matters not adequately treated in the text-book. In operative surgery the students perform the various operations upon the cadaver, under the immediate supervision of the teacher. The application of bandages and other dressings is taught in the most practical manner.

The clinical teachers not only perform operations in the presence of the class, but explain the various steps of their procedures. At least twice in each week they take sections of the class through the wards, affording opportunities for the observation of the after-treatment of the patients, upon whom operations have been performed. They give instruction, also, in diagnosis, requiring students to examine patients, and present their findings to the class; and these reports are discussed by fellow students designated for the purpose, the teacher correcting errors of method, and finally demonstrating the facts of the case, and explaining their significance. A plan of notification by telephone enables students to obtain prompt information of accident cases of interest, which are brought into the Hospital.

The most practical character will be given to all of the instruction in this department.

MATERIA MEDICA AND THERAPEUTICS.

Instruction in this department will be given during the third and fourth years.

In the third year the teaching will be given by lectures and quizes, with special attention given to prescription writing.

In the fourth year, the lectures and quizes will be continued, and there will also be a recitation course in practical therapeutics.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNÆCOLOGY.

The course in Diseases of Women will continue through the third and fourth years. By a new arrangement, third year students will have work mainly didactic in character.

Fourth year students will be given a course in the pathology (gross and microscopic) of the Diseases of Women.

There will also be weekly clinics for fourth year men, at which the examination of female patients will be an important feature.

DISEASES OF CHILDREN.

Instruction will be given by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class.

MENTAL DISEASES.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity, with a view to the institution of treatment at the time when it is most productive of good results.

OPHTHALMOLOGY AND OTOLOGY.

The instruction in these departments will be given by lectures and clinics. A weekly clinic will be held at the Hospital on Saturday, at 9 A. M. The various diseases will be described as cases illustrating them are available for demonstration; operations will be performed when required; and other treatment applied as may be necessary.

PUBLIC HYGIENE.

Instruction is given by the Professor of Physiology who is a member of the State Board of Health, by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health-boards, in the management of infectious diseases.

NEUROLOGY.

Instruction in Neurology will be given to the fourth class each week throughout the course by lectures, clinics and quizes, two hours of each week being devoted to such instruction.

GENITO-URINARY SURGERY.

Instruction in Genito-Urinary Surgery will be given to the fourth class each week during the first half of the course —during the last half the same time will be devoted to instruction in Dermatology.

ORTHOPEDIC SURGERY.

A clinic in Orthopedic Surgery will be held at the Hospital on each Friday morning at 9 A. M.

DISEASES OF THE NOSE AND THROAT.

The fourth class will in the coming year receive special instruction, both didactic and clinical in Diseases of the Nose and Throat.

THE LIBRARY.

The Library of the Medical School, containing 3,700 volumes, has been combined with that of the College, which numbers over 80,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room in the main library building for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT BOOKS.

ANATOMY—Gerrish. For reference, Quain. For use in Histological Laboratory, Dunham.

PHYSIOLOGY—For recitation work, Blakiston's edition of Kirke's. For reference, Landois, Howell's "American Text Book of Physiology." For Laboratory, Haus' "Experimental Physiology" For reference, Porter's "Introduction to Physiology" and Sterling's "Practical Physiology."

CHEMISTRY—For general reference, Simon, Bartley, Pellew. For reference in urinary analysis, Purdy, Black, Tyson. For use in laboratory, Robinson's Qualitative Chemical Analysis.

PUBLIC HYGIENE—For reference, Harrington, Coplin and Bevan, Parke's "Practical Hygiene," Abbott's "Hygiene of the Transmissible Diseases."

MATERIA MEDICA AND THERAPEUTICS—For recitation work, Hare. For reference, White & Wilcox, H. C. Wood, Cushney, Stevens. Diagnosis, Butler.

PRACTICE OF MEDICINE—Hare, Osler, Tyson. For reference, Strumpell, Loomis and Thompson's System of Practical Medicine.

PHYSICAL DIAGNOSIS—Cabot, Lefevre.

MEDICAL DIAGNOSIS—Butler.

BACTERIOLOGY—For reference, Abbott, McFarland.

PATHOLOGY—For recitation work, McFarland. For reference, Ziegler, Mallory and Wright.

SURGERY—For recitation, Brewer. For reference, Park. Minor surgery, Wharton. Surgical pathology, Warren.

OBSTETRICS—Williams, Webster, Edgar, Hirst, Reynolds and Newell.

DISEASES OF WOMEN—Dudley, Penrose, Reed, Kelly 2 vols.

DISEASES OF CHILDREN—Holt, Rotch, Williams.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

DISEASES OF THE EAR—Bacon, Field.

NEUROLOGY—Dana's Text Book of Nervous Diseases, or Oppenheim's "Diseases of the Nervous System."

DERMATOLOGY—Walker's Introduction.

ORTHOPEDIC SURGERY—Bradford and Lovett.

NOSE AND THROAT—Bishop, Knight, Kyle. For reference, L. Brown.

DICTIONARIES—Dorland Illustrated, Dunglison, Gould.

CALENDAR.

1905.

19 October—Thursday. Entrance Examination: for first year students, at nine o'clock, A. M., in Brunswick.

20 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year in Brunswick, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.

21 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing, for third year, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 20th and 21st, at hours to be hereafter appointed.

30 November—Thursday, Thanksgiving. Holiday.

Recess from noon of Friday, December 22d, to morning of Tuesday, January 2d.

1906.

22 February—Thursday, Washington's Birthday. Holiday. No exercises.

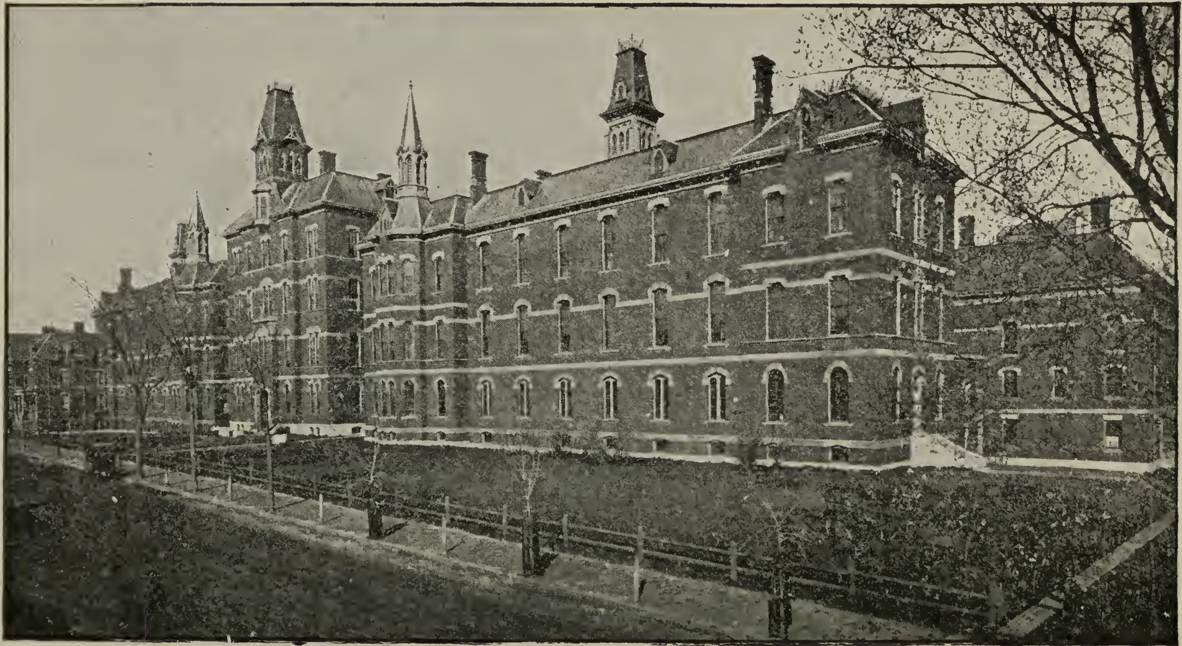
April —Recess from noon of Saturday, April 1st, to morning of Tuesday, April 10th.

30 May—Wednesday, Memorial Day. Holiday. No exercises.

6 to 20 June—Wednesday to Wednesday of second week. Examinations.

20 June—Wednesday. Commencement.

Summer vacation, seventeen weeks.



THE MAINE GENERAL HOSPITAL, PORTLAND

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MEDICAL DEPARTMENT NUMBER

1907

1908

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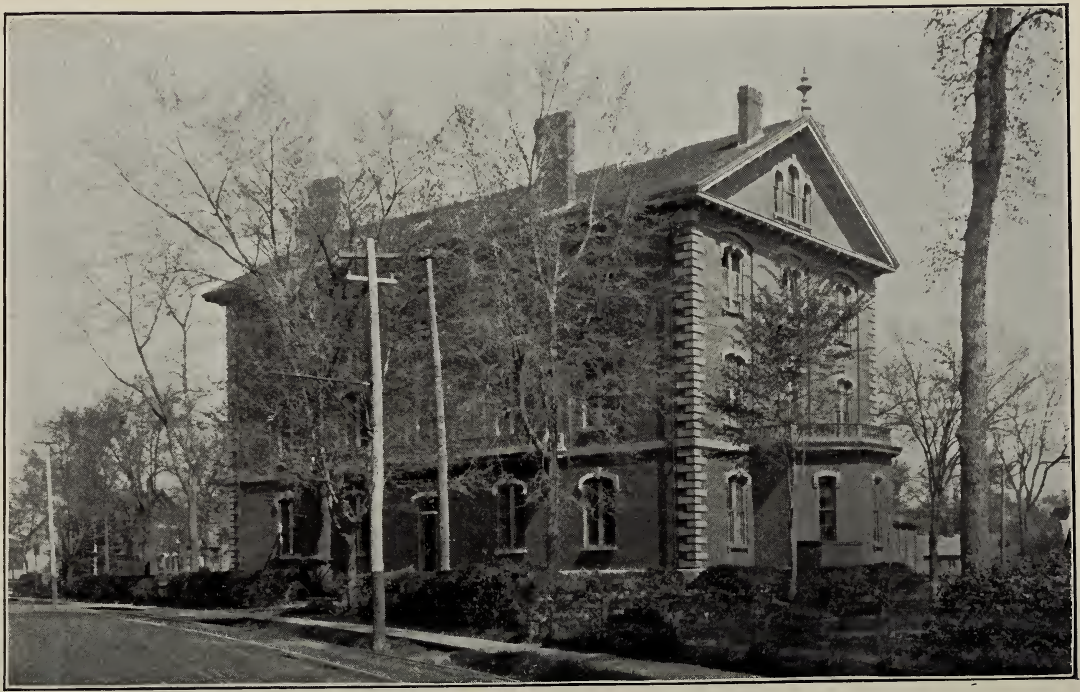

SCHOOL BUILDING, BRUNSWICK

CATALOGUE OF THE MEDICAL SCHOOL OF MAINE, THE MEDICAL DEPARTMENT OF BOWDOIN COLLEGE

FOR THE EIGHTY-EIGHTH YEAR

1907 1908

BRUNSWICK, MAINE
PRINTED FOR THE COLLEGE, MDCCCCVII

PRESS OF THE BRUNSWICK RECORD
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ALBERT ISAIAH YORK, M. D.,
BENJAMIN FRANKLIN STURGIS, M. D.,
VISITORS FROM THE MAINE MEDICAL ASSOCIATION.

GRADUATES OF 1907.

Ernest David Dolloff	Monroe, Brooks P. O.
Harold Josselyn Everett, A. B.	Portland
Ralph Waldo Foster	Milbridge
Benjamin Henry Keller	Appleton
William Jerris Lewis	S. Framingham, Mass.
Broadstreet Henry Mason	Brooks
Roland Banks Moore	Portland
Charles Howard Newcomb	Newburgh Village
Charles David North	Turner
Maurice Albert Priest	Shawmut
Magnus Gervise Ridlon	Porter
William Thomas Rowe, A. B.,	Portland
Alfred Loomis Sawyer, A. B	Fort Fairfield
Karl Brooks Sturgis	Auburn
Fred Lord Varney	Enfield
Charles Arnold Wyndham	Lisbon Falls

STUDENTS IN 1907.

FOURTH YEAR.

Name	Residence	Room
Dolloff, David Ernest	*Monroe, Brooks P. O.*	*280Brackett St.
Everett, Harold Josselyn, A. B.	*Portland*	5 Bramhall St.
Foster, Ralph Waldo	*Milbridge*	16 Wescott St.
Keller, Benjamin Henry	*Appleton*	336 Brackett St.
Lewis, William Jerris	*S. Framingham, Mass.*	861 Congress St.
Mason, Broadstreet Henry	*Brooks*	24 Arsenal St.
Moore, Roland Banks	*Portland*	23 Bramhall St.
Newcomb, Charles Howard	*Newburgh Village*	280 Brackett St.
North, Charles David	*Turner*	336 Brackett St.
Pettingill, Olin Sewall	*Wayne*	
Priest, Maurice Albert	*Shawmut*	336 Brackett St.
Ridlon, Magnus Gervise	*Porter*	336 Brackett St.
Rowe, William Thomas, A. B.	*Portland*	141 Neal St.
Sawyer, Alfred Loomis, A. B.	*Fort Fairfield*	302 Brackett St.
Sturgis, Karl Brooks	*Auburn*	302 Brackett St.
Varney, Fred Lord	*Enfield*	141 Neal St.
Wyndham, Charles Arnold	*Lisbon Falls*	633 Congress St.

THIRD YEAR.

Name	Residence	Room
Abbott, Henry Wilson	*Waterville*	*16 Wescott St.
Atwood, Harold Fisher	*Norwood, Mass.*	807 Congress St.
Bibber, Harold Thornton	*Bath*	18 Deering St.
Bolster, William Wheeler, Jr.	*Auburn*	301 Brackett St.
Buker, Edson Bayard, B. S.	*Waldoboro*	202 Spring St.
Crane, James Wilder	*Whiting*	861 Congress St.
Foster, George Adams, A. B.	*Bangor*	174 Neal St.
Geer, George Independence	*Westbrook*	46 Ellsworth St.
Greene, John Adolph, A. B.	*Rumford Falls*	9 Wescott St.
Hall, Herbert Wilder	*Brooks*	44 Ellsworth St.
Hasty, Willis LeRoy	*Thorndike*	12 Gilman St.

*The room of Third and Fourth year students is in Portland unless otherwise stated.

Jones, Arthur Leon, A. B.	*Old Orchard*	46 Ellsworth St.
Marston, Henry Edward	*North Anson*	24 Arsenal St.
McKay, Roland Lee	*Bowdoinham*	46 Ellsworth St.
Mullen, Seth Smith	*Vinalhaven.*	16 Wescott St.
Potter, John Garfield	*Providence, R. I.*	807 Congress St.
Precour, George Charles	*Saco*	861 Congress St.
Ross, Archibald Charles	*Phillips*	12 Dow St.
Saunders, Henry Clayton, A. B.	*Portland*	16 Parris St.
Sawyer, Samuel Ellison, A. B.	*Lewiston*	606 Congress St.
Staples, Ivan	*Limerick*	861 Congress St.
Stewart, Ralph Carroll, A. B.	*New Vineyard*	16 Wescott St.
Stone, George Henry, A. B.	*Portland*	16 Wescott St.
Thayer, Harold Hamilton, A. B.	*South Paris*	93 Free St.
Twaddle, Widd Browne	*Bethel*	44 Ellsworth St.
Tucker, George Everett, A. B.	*Hyde Park, Mass*	174 Neal St.
Whitney, George Burgess, A. B.	*Marlboro, Mass.*	861 Congress St.
Whitney, Harlan Ronello.	*South Windham*	202 Spring St.
Williams, Edmund Percy, A. B.	*Topsham*	135 William St.
Woodruff, John Hamilton, A. B.	*Brunswick*	9 Wescott St.

SECOND YEAR.

Name	Residence	Room
Bunker, Willard Hiram	*Red Beach*	5 Bath St.
Cleaves, Elmer Morse	*Bar Harbor*	26 A. H.
Cox, James Francis, A. B.	*Houlton*	5 Bath St.
Cunningham, Charles Hunter, A. B.	*Strong*	23 W. H.
Curtis, Charles Leverett	*Middleton, Mass.*	6 Cleaveland St.
Higgins, Everett Clifton, A. B.	*Clinton*	31 Cumberland St.
Higgins, George Ivery	*Clinton*	31 Cumberland St.
Humphreys, Ernest Davis,	*Henderson*	6 Cleaveland St.
Mabry, Irving Ellis, A. B.	*East Hiram*	84 Federal St.
Merrill, Walter Irving	*Portland*	7 Everett St.
Murphy, John Luke	*Bartlett, N. H.*	185 Maine St.
Parcher, George, A. B.	*Ellsworth*	23 W. H.
Pendexter, Sidney Eugene	*Portland*	7 Everett St.
Simmons, Clarence Raymond	*Appleton*	6 Cleaveland St.
Simonds, Otis Franklin, A. B.	*Portland*	16 M. H.
Thompson, Herbert Ellery, A. B.	*Sebago Lake*	22 W. H.
Webster, Francis Howe, B. S.	*Castine*	6 Cleaveland St.
Wilson, Charles Moore	*Waterford*	185 Maine St.

FIRST YEAR.

Name	Residence	Room
Abbott, Percy Hobbs	*Waterboro*	44 Pleasant St.
Anderson, Harry Edward	*Limington*	172 Maine St.
Ball, Henry Whitney	*Mt. Desert Ferry*	16 Lincoln St.
Blanchard, Paul Drake	*Old Town*	Ψ. Υ. House
Brown, Elmer Jonathan	*Strong*	172 Maine St.
Bryant, Hanibal Hamlin, Jr., A. B.	*Waterville*	7 Page St.
Carpenter, Lester Warren	*North Waterboro*	44 Pleasant St.
Collins, James Harold	*Brewer*	Δ. Κ. Ε. House
Deering, Charles Fuller	*Waldoboro*	31 M. H.
Drummond, Joseph Blake	*Portland*	Δ. Κ. Ε. House
Fahay, William Joseph	*Lewiston*	84 Federal St.
Fernald, Clarence Joel	*Winn*	15 W. H.
Greene, Charles Harlow	*North Bridgton*	7 Middle St.
Hall, Leo Frederick	*Lewiston*	15 A. H.
Holt, Erastus Eugene, Jr.	*Portland*	Δ. Κ. Ε. House
Jackson, Ruel Hanson	*Fall River, Mass.*	9 McLellan St.
Leighton, Adam Phillips, Jr	*Portland*	30 Cumberland St.
MacMichael, Earle Haggett	*East Boston, Mass.*	Δ. Υ. House
Mikelsky, Frank, A. B	*Brunswick*	19 M. H.
Milliken, James Atwood Crowell	*New Bedford, Mass.*	Κ. Σ. House
Oram, Julius Calvin	*Portland*	7 Middle St.
Palmer, Edwin Lindsay	*Portland*	7 Everett St.
Parker, Ralph Burtis	*Winthrop*	30 Cumberland
Russell, Blinn Whittemore	*Farmington*	22 W. H.
Sprague, Ralph Burleigh	*Portland*	7 Everett St.
Stevens, Carl Henry	*Northport*	172 Maine St.
Thomas, Charles Francis, Jr.	*Caribou*	Κ. Σ. House
Traynor, Charles Francis	*Biddeford*	30 Cumberland St.
Trickey, Winfield Benjamin	*East Corinth*	9 McLellan St.
Valladares, Ricardo Geronimo	*Santa Clara, Cuba*	7 Middle St.
Youland, William Edwards, Jr. A. B.	*Biddeford*	30 Cumberland St.

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of eight months each. The studies are distributed through the curriculum according to the following schedule:

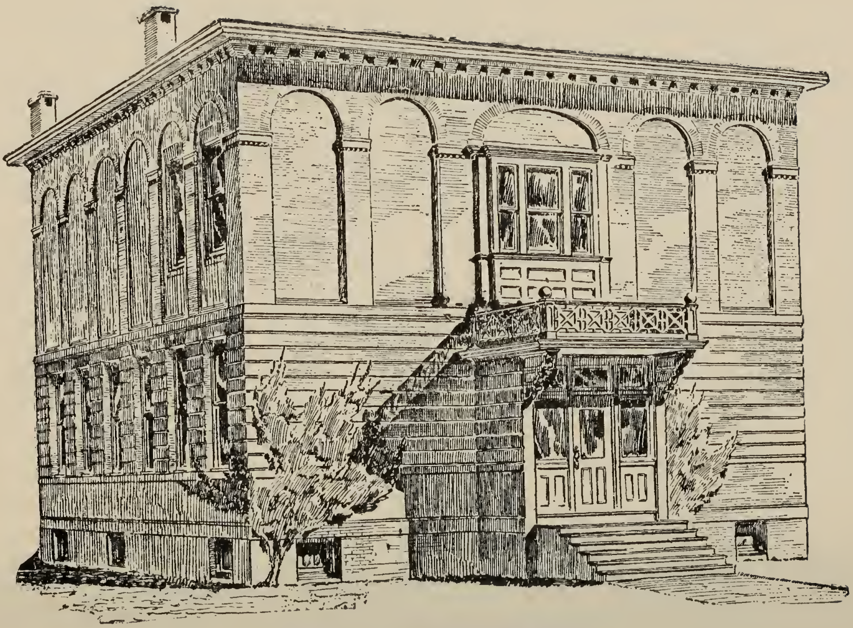
First Year: Anatomy, Embryology, Histology, Physiology, Chemistry and Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Diseases of Women, Obstetrics, Diseases of the Skin.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Neurology, Clinical instruction in Diseases of the Skin, Diseases the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Joints, Diseases of the Nose and Throat.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, near the Maine General



SCHOOL BUILDING, PORTLAND

Hospital, in which institution nearly all the teachers in the school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the book) is the chief source of supply of clinical material for the school, Portland has a number of other institutions which will contribute to the bedside instruction of the students ; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The eighty-eighth annual course will begin on Thursday, the 24th of October, 1907, and will continue eight months.

Examinations for *admission to the school* will be held at nine o'clock on the morning of the first day, Thursday the 24th of October, in Brunswick.

Final examinations for each class will be held in the period from the 10th to the 24th of June inclusive.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick, on Friday, the 25th of October. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 26th. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 25th and 26th, at hours to be hereafter appointed.

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*The electric cars (Spring Street line—blue) run on Vaughan Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red). so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Dean.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course ; if he then fails to pass or fails to present himself, he may be examined at the end of three weeks at the examination provided for those who enter late. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work, will be warned of his deficiency from time to time, before the end of the term.

An examination which is not completed receives no consideration.

The systematic courses of instruction will begin on Monday morning, the twenty-eighth of October.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction:

In each of the required four years $100. After attendance upon four full courses payment of the Matriculation fee only will be required.

For Examinations:

Payable at the end of the first year,

In Anatomy,	$5.00
In Physiology,	5.00
In Chemistry,	5.00
Payable at the close of the term of instruction in Obstetrics, for examination in this branch,	5.00

These four fees are credited on the diploma or graduation fee.

For every re-examination in any of the above studies,	$3,00

This fee is not credited on the diploma fee.

For examination or re-examination in any branch at a time not regularly appointed, the student shall pay a fee of $5.00 in addition to the prescribed fee for that examination.

Miscellaneous:

The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $4.00 for first course, $3.00 for second course, payable in advance.

Material used in the physiological laboratory furnished for $2.00.

For materials used in the bacteriological laboratory about $2.00.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been nearly paid in the examination fees of the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be *paid in cash* and *strictly in advance.*

Unfurnished rooms heated by steam can be secured in the College dormitories at a rental of from $72 to $108 for each course. Furnished rooms outside the College can be obtained at a rental of from $1.50 to $2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from $3.00 to $3.50 a week.

The cost of living in Portland has been found to be not in excess of that at Brunswick.

$15 to $25 a year covers the cost of books.

REQUIREMENTS FOR ADMISSION.

In place of the requirements for admission to the first year hitherto announced there are substituted the following requirements of the Association of American Medical Colleges, with the exception that one year of Chemistry be specifically required.

Section 1. (a) A bachelor's degree from an approved college or university.

(b) A diploma from an accredited high school, normal school, or academy requiring for admission evidence of the completion of an eight-year course in primary and intermediate grades, and for graduation not less than four years of study embracing not less than two years (4 points) of foreign languages, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

(c) An examination in the following branches: A. Required (18 points); Mathematics (4 points); English (4 points); history (2 points); language (4 points—2 must be Latin); science (taken from physics, chemistry, botany, zoology; 4 points). B. Optional (to 12 points); English (2 points); history (6 points); language (6 points); manual training (2 points); mechanical drawing (1 point); natural science (botany, zoology; 2 points); physical science (chemistry, physics; 2 points) trigonometry (1 point); astronomy (1); civics (1); geology (1); physical geography (1); physiology and hygiene (1); political economy (1)—not more than 3 points accepted.

(One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes each for eighteen weeks.)

(d) Certificates from reputable instructors recognized by the superintendents hereinafter to be mentioned, or by any state board of medical examiners duly authorized by law, may be accepted in lieu of any part of this examination.

Section 2. This examination will be conducted by the Superintendent of Schools of Brunswick and Freeport, Charles Melvin Pennell, A. B.

Section 3. A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examination before he is allowed to enter on the second year of his medical course.

Business colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which

admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

Students in the Senior Class of the Academic department are permitted to take the studies of the first year in the Medical department and thus are eligible for the first year final Medical examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination. The same consideration is asked for the explicit condition named as regulating the pre-payment of fees in cash.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean, at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions, and in preparatory schools does not entitle a student to examination for advanced standing.

A student who has received the degree of A. B., B. S., or any similar degree after four years of study in a recognized college or technical school, if his studies have included a satisfactory amount of chemistry, physics and biology, may be admitted as a second year student, but when so admitted he shall not gain third year standing until he has passed satisfactory examinations in the studies of the first and second years. The faculty of this School are unanimously of the opinion that only under most exceptional conditions should this requirement be made available, and that practically a student ought not to enter upon the studies of the second year until he has passed satisfactory examinations in the studies of the first year.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch extends over two years and covers every portion of human anatomy with special reference to its application in the practice of medicine and surgery. The scope is so extensive as to require a number of instructors and a division of the work; but an attempt is made to harmonize the various divisions and enable students to spend their time to the best possible advantage. In the lecture room every part of human anatomy is taken up by systems as arranged in Gerrish's Text-Book. Some subjects are treated by lectures and many by demonstrations, but the greater part of the work consists of recitations and demonstration quizzes.

First year students study embryology, histology, osteology, arthrology and visceral anatomy, including the study of the cerebro-spinal axis and organs of the special senses. Second year work includes the remainder of systematic anatomy and relational anatomy. The class room work is made valuable by the

exhibition of dissected parts, models and casts; and from time to time students are required to present drawings of different organs. Considerable attention is also paid to surface anatomy, which is studied on the living model.

During the first year, every tissue and organ is studied microscopically in the histological laboratory and reproduced by free hand drawing. Late in the term, first year students dissect some of the higher vertebrates or such parts of human anatomy as are included in their work. In this way they not only reinforce their text book knowledge but acquire manual dexterity invaluable to them for the dissecting-room work of their second year. The instruction in embryology is given by means of lectures, demonstrations and quizzes.

The practical gross anatomy is taken up late in the second year after the entire subject of anatomy has been studied by systems in the class room. A period of six weeks is devoted to this work, during which time no other exercises are held for second year men in this or any other department and each student is required to dissect an entire lateral half of the human body.

At the end of the first year, students are required to pass a written and an oral examination in the work of the year and to identify organs and tissues that they have studied, gross and microscopic. Second year students must pass a written and oral examination in the work of their year and identify the parts of the dissected human subject.

Before coming to the school students can do much to equip themselves for appreciation of human anatomy by making dissections of some lower animals and are advised to follow the directions prescribed in, ''Physiology Practicums'' (which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y.) or Davison's Mammalian Anatomy.

The Anatomical Museum is well supplied with wet and dry specimens, casts and models and a large number of disarticulated skeletons are provided which may be borrowed by the class.

PHYSIOLOGY.

Instruction in this department is conducted with reference to the practical application of the facts of human physiology to the needs of the student, in his study of the diagnosis and treatment of disease. Class room demonstrations and experimental laboratory teaching are employed, so far as they can be made to serve this purpose.

The instruction will be given by practical laboratory work, text book recitation and supplementary lectures.

The laboratory is fully equipped with the Harvard apparatus.

The work of the first year will be devoted to study by practical laboratory exercises, extending over half the term, of the functions of Nutrition. Special attention will be given to the physiology of nerve and muscle, of the Blood, including its microscopical study; Digestion and the phenomena and physics of the Circulation and Respiration. Students will be taught to demonstrate for themselves the essential facts connected with these functions.

Written reviews will be held from time to time besides regular quizzes upon both the didactic and laboratory work.

The work of the second year will be devoted to the study of Reproduction, the Nervous System, the Special Senses and the physiology of Voice and Speech.

The department is well equipped with charts, models and apparatus for demonstration and experimental work, admirably adapted to aid in giving students a thoroughly practical course in Physiology.

A laboratory fee of $2.00 will be charged, to defray cost of material, which must be paid in advance before beginning the laboratory course. Students will furnish at their own cost necessary instruments for nerve-muscle dissection and will be charged extra with the cost of any injury to apparatus.

In connection with this course several hours will be devoted to the subject of Personal Hygiene.

CHEMISTRY.

The chemical courses extend over the first two years. They consist of lectures, conferences and laboratory work, occupying from three to six hours per week for each class. As a knowledge of general inorganic chemistry is required for admission, first year men begin with the application of general chemistry to the qualitative analysis of simple substances. This is followed by the principles and practice of quantitative analysis, especially volumetric.

The examples used in analysis are selected with special reference to the work of a physician, and include water, air, and the inorganic poisons. The analytical courses take the first half year.

The second half year with first year men is given to general organic chemistry, in which the structure, preparation and relation of structure to properties are illustrated in cases of the simpler compounds.

Second year students begin with a study of the more complex organic compounds related to medicine, such as the synthetic coal tar compounds, the alkaloids, ptomains and leucomains.

This is followed by physiological chemistry including analysis of urine and other secretions.

The aim is to make the chemical courses as practical as possible. To this end the student is taught to prepare many of the solutions and test substances, as well as to use them. He is taught also how to construct apparatus, manipulate glass tubing, etc. The facilities afforded by the Searles Science Building make it possible to do this to an unusual degree.

Students who have completed in other schools, courses of study equivalent to the above, may, upon examination, be excused from any of them.

Each student is required to pay in advance a laboratory fee, covering the average cost of chemicals, gas and water. This is $4 for first year men and $3 for second. In addition each will pay for apparatus broken or not returned at the end of the term.

OBSTETRICS.

Instruction in this department will be given by lectures and recitations. The instructor in Obstetrics will demonstrate for the class, in sections, work on the manikin: the diagnosis of position and presentation, the mechanism of normal labor; the manœuvers necessary in the delivery of abnormal cases, version and application of forceps. Each member of the class will have a chance to perform these various manipulations.

It is hoped that an arrangement will be made whereby the city maternity cases will be at the disposal of the teachers, so clinical instruction may be given to the class in sections, and individual cases furnished for each member.

INTERNAL MEDICINE.

Instruction in this department continues throughout the third and fourth years. During the first half of the third year the time is devoted mainly to the study of Diagnosis. The remaining weeks of the course include consideration of special diseases following the order usually found in standard text-books. The fourth year comprehends the study of such special diseases as were not considered in the preceding year.

In connection with this department there will be given special and additional instruction relating to the conduct of life insurance examinations.

During both years class room instruction is given didactically and by means of regular recitations.

A clinic is held at the Maine General Hospital upon each Thursday morning from nine to eleven o'clock; the material being received from the wards of the hospital and occasionally from outside sources.

Care is taken to afford the students opportunities for personal examination of cases with the prominent object of having them become familiar with physical signs. It is hoped that material of the City Hospital and patients out of the hospital, under the care of the City Physician, may be made available during the coming year.

This department recognizes with that of Surgery our special indebtedness to the Staff of the Portland Charitable Dispensary in that it affords sections of our classes opportunities for clinical observation and physical exploration.

PATHOLOGY AND BACTERIOLOGY.

The new, commodious and amply equipped laboratory in Seth Adams Hall gives excellent facilities for instruction in bacteriology and pathological histology. The course in clinical pathology is given in the laboratory at the school building in Portland.

Instruction is given by lectures, recitations and laboratory work. For convenience it is divided into four courses.

1. Bacteriology. This course is given to second year students and occupies fourteen hours a week from the beginning of the term until the Christmas recess. Each student is required to cultivate on media twelve varieties of pathogenic bacteria and to study their characteristics. Principles of disinfection are studied, and verified by experiment. A limited number of inoculation experiments are performed. Students make bacteriological examination of water and milk. Special attention is given to the laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

2. General Pathology, including Pathological Histology. This course is given to second year students. Instruction occupies fourteen hours each week, and lasts from January 1st to April 1st. McFarland's text book is used as a basis for this course. The text book is supplemented by lectures on special subjects. As far as possible the consideration of a subject in the class-room is followed by a study of the same subject in the

laboratory. During the latter part of the course much time is given to diagnosis work upon microscopical preparations.

3. Blood Examination. This is a short course given to second year students during the last week in May and the first week in June. Students are trained in counting the red and white corpuscles, in estimating the amount of hemoglobin, in preparing and examining fresh and stained specimens.

4. Clinical Pathology. This course is given to third year students. It includes instruction given as opportunity occurs at the surgical clinics and a fifty hour course at the school laboratory in Portland. In this course each student examines microscopically the tissues and other pathological material obtained at the clinics at the Maine General Hospital.

SURGERY.

The instruction in surgery is given by lectures, recitations, demonstrations, clinics, diagnosis exercises on the patient, and operations on the cadaver. It extends throughout the third and fourth years of the course, and in the highest possible degree is practical in character.

In the didactic course the recitation method is employed for the most part, as being particularly helpful to the students,—necessitating careful preparation of each lesson, allowing no essential point to be slighted, and stimulating pride by the certainty of each that his work will be compared with that of his fellows. But the lecture method is used whenever it seems serviceable, as in the introduction of new topics, the presentation of the salient features of unfamiliar subjects, and the explanation or amplification of matters not adequately treated in the text book.

The students perform a large variety of operations upon the cadaver, under the immediate direction and supervision of the teacher. The application of bandages and other dressings is taught in the most practical manner.

The principal clinical teaching is given at the Maine General

Hospital by the six visiting surgeons, all of whom are professors, assistant professors, or clinical instructors in the School. Twice in each week some of these teachers hold exercises in diagnosis, in which the students are instructed in proper methods, and privileged to make personal examination of cases. Sections of the class are taken in turn through the wards, and are given opportunities for the observation of the after-treatment and progress of patients, upon whom they have seen operations performed. A system of notification by telephone enables the students to obtain prompt information of accident cases, which are brought into the Hospital. The amount of clinical material at this institution far exceeds the capacity of the classes to appropriate it without neglecting other and essential studies. The surgeons of the Portland Charitable Dispensary permit sections of the class to observe cases at their daily service—a privilege highly valued and constantly accepted, as the kind of diseases is largely different from those usually seen at the Hospital. The City Hospital, also, occasionally presents interesting and useful material.

MATERIA MEDICA AND THERAPEUTICS.

Instruction in this department is given during the third and fourth years.

In the third year the teaching is by lectures and quizzes. Special attention is given to the study of pharmacology, or the action of drugs; as it is only by a thorough knowledge of this part of the subject that medicines can be properly employed for the correction of the abnormal conditions found in disease.

Considerable time, every week, is devoted to prescription writing. By this exercise, students not only learn to write prescriptions correctly, but to make application of their knowledge of drugs in the treatment of disease. They are required to prescribe for supposed patients, a description of whose symptoms has been given them. These prescriptions are put before the class for criticism and discusssion, and have proved very useful in making their knowledge of drugs definite and practical.

In the fourth year the lectures and quizzes will be continued, and there will also be a recitation course in practical therapeutics. These courses supplement each other. In the course of Materia Medica we study individual drugs, and learn how they may modify certain conditions, which may be found in many different diseases. In the course on therapeutics, we study the symptoms of a given disease, and learn what different drugs we may employ to relieve them.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNÆCOLOGY.

The course in Diseases of Women will continue through the third and fourth years. By a new arrangement, third year students will have work mainly didactic in character.

Dr. Willis Bean Moulton will in the fourth year conduct a course in the Pathology of Diseases of Women.

There will also be weekly clinics for fourth year students, at which the examination of female patients will be an important feature.

DISEASES OF CHILDREN.

Instruction will be given by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class.

MENTAL DISEASES.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity, with a view to the institution of treatment at the time when it is most productive of good results.

OPHTHALMOLOGY AND OTOLOGY.

The instruction in these departments will be given by lectures and clinics. A weekly clinic will be held at the Hospital on Saturday, at 9 A. M. The various diseases will be described as cases illustrating them are available for demonstration ; operations will be performed when required ; and other treatment applied as may be necessary.

PUBLIC HYGIENE.

Instruction is given by the Professor of Physiology who is a member of the State Board of Health, by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health-boards, in the management of infectious diseases.

NEUROLOGY.

Instruction in Neurology will be given to the fourth class each week throughout the course by lectures, clinics and quizzes, two hours of each week being devoted to such instruction.

GENITO-URINARY SURGERY.

Instruction in Genito-Urinary Surgery will be given to the fourth class each week during the first half of the course.

DERMATOLOGY.

Instruction in Dermatology will be given to the third year class each week during the first twenty-four weeks.

ORTHOPEDIC SURGERY.

A clinic in Orthopedic Surgery will be held at the Hospital on each Friday morning at 9 A. M.

DISEASES OF THE NOSE AND THROAT.

The fourth class will receive special instruction, both didactic and clinical in Diseases of the Nose and Throat.

SCHEDULE FOR THE FIRST YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY		8—11		8—11	8—11	
CHEMISTRY	2.30—5.30		2.30—5.30		2.30—5.30	
PHYSIOLOGY AND PERSONAL HYGIENE			8—11			8—11
HISTOLOGY	8—11					
April 6—May 20 ANATOMY (Dissecting)		11—12 1.30—5.30		8—11 1.30—5.30		1.30—5.30

SCHEDULE FOR THE SECOND YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY		8—9			8—9	
CHEMISTRY		10—12		10—12		
PHYSIOLOGY	Jan. and Feb. 8—11		8—11			8—11
PATHOLOGY AND BACTERIOLOGY	2.00—5.30	2.00—5.30	2.00—5.30		2.00—5.30	
April 6—May 20 ANATOMY (Dissecting)	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30

SCHEDULE FOR THE THIRD YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	9—10A	9—10A*		9—11C 4.30—6*		
SURGERY	8—9B 10—12C	10—12C	8—9B 10—12C	8—9B 10—12C	10—12C	10—1C
MATERIA MEDICA AND THERAPEUTICS	2—3A		2—3A		2—3A	
OPTHALMOLOGY AND OTOLOGY						8.30—10
GYNECOLOGY			9—10B			
CLINICAL PATHOLOGY After April 6		2—5		2—5		
OBSTETRICS	12—1B	8—9Ax			12—1B	
DERMATOLOGY Twenty-four weeks			8—9			

A Lecture room on first floor. B Lecture room on second floor. C Clinic. x Quiz. * Every alternate week.

SCHEDULE FOR THE FOURTH YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	11—12A	9—10A*	9—10A	9—11C 4.30—6*		
SURGERY	10—11D	8—9B	10—12D	11—12C	8—9B 11—12C	10—1C
MATERIA MEDICA AND THERAPEUTICS		2—3A		2—3A		
MEDICAL JURISPRUDENCE	Hours of instruction to be hereafter announced					
PUBLIC HYGIENE	Hours of instruction to be hereafter announced					
GYNECOLOGY		10—12D				
MENTAL DISEASES	Hours of instruction to be hereafter announced					

SCHEDULE FOR THE FOURTH YEAR—Continued

OPTHALMOLOGY AND OTOLOGY	8—9A					8.30—10C
DISEASES OF CHILDREN**	9—10A			12—1A		
GENITO-URINARY DISEASES First half term				8—9A		
NEUROLOGY	12—1				12—1A	
ORTHOPEDICS					9—11C	
LARYNGOLOGY AND RHINOLOGY			12—1C			

A Lecture room on first floor. B Lecture room on second floor. C Clinic. D Diagnosis exercise.
x Quiz. * Every alternate week. ** Clinical work aggregating one hour per week.

THE LIBRARY.

The Library of the Medical School, containing 3,700 volumes, has been combined with that of the College, which numbers over 80,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room in the main library building for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature ; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT BOOKS.

ANATOMY—Gerrish. For reference, Quain. Applied Anatomy, Bardeleben. For use in Histological Laboratory, Dunham.

PHYSIOLOGY—For recitation work, Brubaker's Text Book of Physiology. For reference, Landois, Howell's "American Text Book of Physiology." For Laboratory, Hall's "Experimental Physiology," For reference, Porter's "Introduction to Physiology" and Sterling's "Practical Physiology."

CHEMISTRY—For general reference, Simon, Bartley, Pellew. For reference in urinary analysis, Purdy, Black, Tyson. For use in laboratory, Robinson's Qualitative Chemical Analysis.

PUBLIC HYGIENE—For reference, Harrington, Coplin and Bevan, Parke's "Practical Hygiene," Abbott's "Hygiene of the Transmissible Diseases."

MATERIA MEDICA AND THERAPEUTICS—For recitation work, Hare. For reference, White & Wilcox, H. C. Wood, Cushney, Stevens.

PRACTICE OF MEDICINE—Osler, Hare, Tyson. For reference, Strumpell, Loomis and Thompson's System of Practical Medicine.

DIAGNOSTIC METHODS—Sahli.

PHYSICAL DIAGNOSIS—Cabot, Greene.

BACTERIOLOGY—For reference, Abbott, McFarland, Park, Williams.

PATHOLOGY—For recitation, McFarland. For reference, Ziegler, Delafield and Pruden, Coplin, Green.

CLINICAL PATHOLOGY—For reference, Mallory and Wright, Lenhartz-Brooks, Wood.

SURGERY—For recitation, Brewer. For reference, Park. Minor surgery, Wharton. Surgical pathology, Warren.

OBSTETRICS—Williams, Webster, Edgar, Hirst, Reynolds and Newell.

DISEASES OF WOMEN—Dudley, Penrose, Reed, Kelly 2 vols.

DISEASES OF CHILDREN—Holt, Rotch, Williams.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

DISEASES OF THE EAR—Bacon, Field.

NEUROLOGY—Dana's Text Book of Nervous Diseases, or Oppenheim's "Diseases of the Nervous System."

DERMATOLOGY—Walker's Introduction. Crocker on Diseases of the Skin.

ORTHOPEDIC SURGERY—Bradford and Lovett.

GENITO URINARY SURGERY—Caspar, Morton.

NOSE AND THROAT—Bishop, Knight, Kyle. For reference, L. Brown.

DICTIONARIES—Dorland Illustrated, Gould.

CALENDAR.

1907.

24 October—Thursday. Entrance Examination: for first year students, at nine o'clock, A. M., in Brunswick.

25 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year in Brunswick, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock P. M.; in Chemistry as appointed by the Professor.

26 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing, for third year, in Portland, in Anatomy, at nine o'clock A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 25th and 26th, at hours to be hereafter appointed.

Thanksgiving Recess from Nov. 27, 1.30 P. M. to 8 A. M., Dec. 2d.

Recess from noon of Saturday, December 21st, to morning of Wednesday, January 1st.

1908.

22 February—Saturday, Washington's Birthday. Holiday. No exercises.

April—Recess from noon of Saturday, March 28th, to morning of Tuesday, April 7th.

30 May—Saturday, Memorial Day. Holiday. No exercises.

10 to 24 June—Examinations. Wednesday to Wednesday of second week.

24 June—Wednesday. Commencement.

Summer vacation, seventeen weeks.

THE MAINE GENERAL HOSPITAL, PORTLAND

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908/09

NEW SERIES NUMBER 19

BOWDOIN COLLEGE BULLETIN

MEDICAL DEPARTMENT NUMBER

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1908 1909

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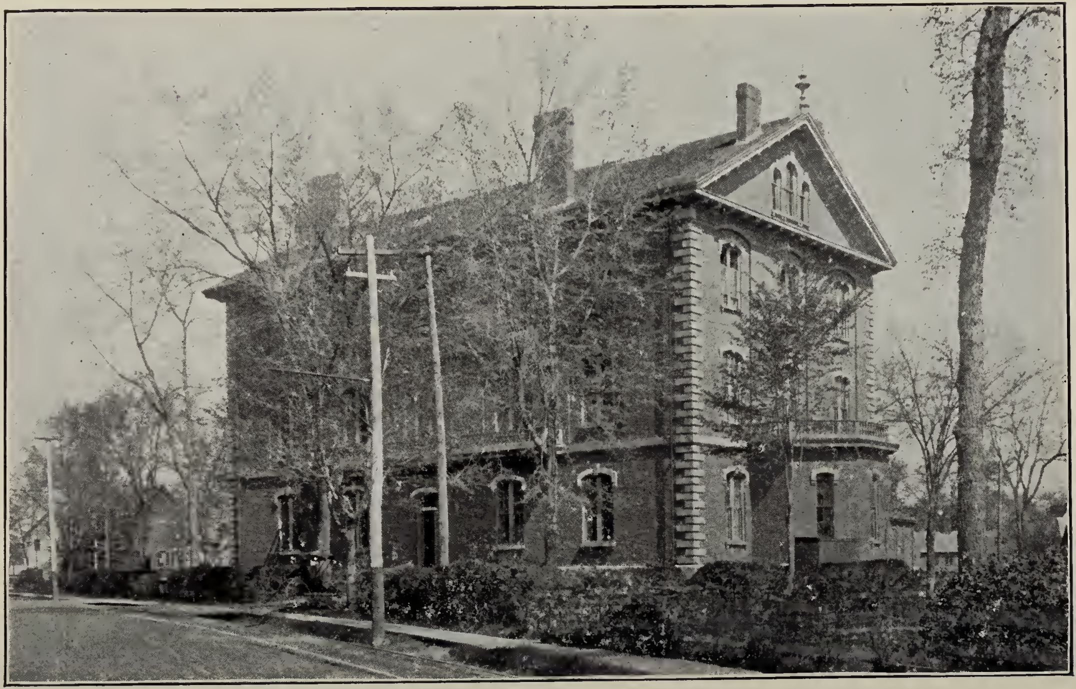

SCHOOL BUILDING, BRUNSWICK

CATALOGUE OF THE MEDICAL SCHOOL OF MAINE, THE MEDICAL DEPARTMENT OF BOWDOIN COLLEGE

FOR THE EIGHTY-NINTH YEAR

1908 1909

BRUNSWICK, MAINE
PRINTED FOR THE COLLEGE, MDCCCCVIII

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BRUNSWICK, MAINE

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134 Free Street, Portland.

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152 Maine Street, Brunswick.

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154 High Street, Portland.

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INSTRUCTOR IN CLINICAL SURGERY.
10 Pine Street, Portland.

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INSTRUCTOR IN SURGERY AND CLINICAL SURGERY.
208 State Street, Portland.

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INSTRUCTOR IN CLINICAL SURGERY.
117 State Street, Portland.

WILLIAM LEWIS COUSINS, M. D.,
INSTRUCTOR IN CLINICAL SURGERY.
181 State Street, Portland.

JAMES ALFRED SPALDING, A. M., M. D.,
CLINICAL INSTRUCTOR IN OPHTHALMOLOGY AND OTOLOGY.
627 Congress Street, Portland.

GILMAN DAVIS, M. D.,
INSTRUCTOR IN DISEASES OF THE NOSE AND THROAT.
604 Congress Street, Portland.

JAMES EDWARD KEATING, A. B., M. D.,
INSTRUCTOR IN INTERNAL MEDICINE.
599 Congress Street, Portland.

WALLACE WADSWORTH DYSON, M. D.,
INSTRUCTOR AND ASSISTANT DEMONSTRATOR IN ANATOMY.
673 Congress Street, Portland.

WILLIS BEAN MOULTON, A. B., M. D.,
INSTRUCTOR IN DISEASES OF WOMEN.
690 Congress Street, Portland.

FRED PATTERSON WEBSTER, M. D.,
INSTRUCTOR IN DISEASES OF CHILDREN.
12 Pine Street, Portland.

EDWIN WAGNER GEHRING, B. S., M. D.,
INSTRUCTOR IN PHYSIOLOGY.
690 Congress Street, Portland.

THOMAS JAYNE BURRAGE, A. M., M. D.,
ASSISTANT DEMONSTRATOR OF HISTOLOGY.
139 Park Street, Portland.

CHARLES HENRY HUNT, A. B., M. D.,
INSTRUCTOR IN MATERIA MEDICA.
609 Congress Street, Portland.

CHARLES LANGMAID CRAGIN, M. D.,
ASSISTANT DEMONSTRATOR OF ANATOMY.
929 A Congress Street, Portland.

PHILIP PICKERING THOMPSON, A. B., M. D.,
ASSISTANT DEMONSTRATOR OF ANATOMY.
298 Brackett Street, Portland.

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GRADUATES OF 1908.

Henry Wilson Abbott	Waterville
Harold Fisher Atwood	Norwood, Mass.
Harold Thornton Bibber	Bath
William Wheeler Bolster, Jr., A. B	Auburn
Edson Bayard Buker, B. S	Waldoboro
James Wilder Crane	Whiting
George Adams Foster, A. B	Portland
George Independence Geer	Westbrook
John Adolph Greene, A. B	Rumford Falls
Herbert Wilder Hall	Brooks
Willis Leroy Hasty	Thorndike
Arthur Leon Jones, A. B	Old Orchard
Henry Edward Marston, A. B	North Anson
Roland Lee McKay	Bowdoinham
Seth Smith Mullen	Vinalhaven
Olin Sewall Pettingill	Wayne
John Garfield Potter	Monticello
George Charles Precour	Saco
Henry Clayton Saunders, A. B	Portland
Samuel Edson Sawyer, A. B	Lewiston
Ralph Carroll Stewart, A. B	New Vineyard
George Henry Stone, A. B	Portland
Widd Browne Twaddle	Bethel
George Everett Tucker, A. B	Hyde Park, Mass.
George Burgess Whitney, A. B	Marlboro, Mass.
Harlan Ronello Whitney	South Windham
Edmund Percy Williams, A. B	Topsham
John Hamilton Woodruff, A. B	Brunswick

STUDENTS IN 1908.

FOURTH YEAR.

Name	Residence	Room
Abbott, Henry Wilson	*Waterville*	*302 Brackett St.
Atwood, Harold Fisher	*Norwood, Mass.*	219 High St.
Bibber, Harold Thornton	*Bath*	18 Deering St.
Bolster, William Wheeler, Jr., A.B.	*Auburn*	24 Arsenal St.
Buker, Edson Bayard, B. S.	*Waldoboro*	280 Brackett St.
Crane, James Wilder	*Whiting*	336 Brackett St.
Foster, George Adams, A. B.	*Portland*	174 Neal St.
Geer, George Independence	*Westbrook*	336 Brackett St.
Greene, John Adolph, A. B.	*Rumford Falls*	9 Wescott St.
Hall, Herbert Wilder	*Brooks*	336 Brackett St.
Hasty, Willis Leroy	*Thorndike*	12 Gilman St.
Jones, Arthur Leon, A. B.	*Old Orchard*	336 Brackett St.
Marston, Henry Edward, A. B.	*North Anson*	24 Arsenal St.
McKay, Roland Lee	*Bowdoinham*	336 Brackett St.
Mullen, Seth Smith	*Vinalhaven*	302 Brackett St.
Pettingill, Olin Sewall	*Wayne*	849 Congress St.
Potter, John Garfield	*Monticello*	807 Congress St.
Precour, George Charles	*Saco*	807 Congress St.
Saunders, Henry Clayton, A. B.	*Portland*	24 Arsenal St.
Sawyer, Samuel Edson, A. B.	*Lewiston*	17 Dow St.
Staples, Ivan	*Limerick*	807 Congress St.
Stewart, Ralph Carroll, A. B.	*New Vineyard*	302 Brackett St.
Stone, George Henry, A. B.	*Portland*	16 Wescott St.
Twaddle, Widd Browne	*Bethel*	128 Oxford St.
Tucker, George Everett, A. B.	*Hyde Park, Mass.*	174 Neal St.
Whitney, George Burgess, A. B.	*Marlboro, Mass.*	6 Congress Place
Whitney, Harlan Ronello	*South Windham*	126 Winter St.
Williams, Edmund Percy, A. B.	*Topsham*	135 William St.
Woodruff, John Hamilton, A. B.	*Brunswick*	9 Wescott St.

THIRD YEAR.

Name	Residence	Room
Ball, Henry Whiting	*Mt. Desert Ferry*	568 Congress St.
Bunker, Willard Hiram	*Red Beach*	435 St. John St.

*The room of Third and Fourth year students is in Portland unless otherwise stated.

Cox, James Francis, A. B	*Houlton*	294 Brackett St.
Cunningham, Charles Hunter, A. B.	*Strong*	20 Bramhall St.
Curtis, Charles Leverett	*Middleton, Mass.*	568 Congress St.
Higgins, Everett Clifton, A. B.	*Clinton*	280 Brackett St.
Higgins, George Ivery	*Clinton*	280 Brackett St.
Illsley, Harris Page	*Limington*	194 Grant St.
Mabry, Irving Ellis, A. B.	*East Hiram*	89 Spruce St.
Merrill, Walter Irving	*Portland*	435 St. John St.
Murphy, John Luke	*Bartlett, N. H.*	20 Bramhall St
Pendexter, Sidney Eugene	*Portland*	561 Congress St.
Quinn, Hugh Francis, A. B.	*Bangor*	294 Brackett St.
Simmons, Clarence Raymond	*Appleton*	20 Bramhall St.
Simonds, Otis Franklin, A. B.	*Portland*	82 India St.
Thompson, Herbert Ellery, A. B.	*South Portland*	13 C. St.
Webber, Merlon Ardeen, A. B.	*Fairfield*	174 Neal St.
Webber, Millard Carroll, A. B.	*Fairfield*	174 Neal St.
Webster, Francis Howe, B. S	*Orland*	9 Wescott St.
Whitmore, William Cotman, A. B.	*Portland*	294 Brackett St.

SECOND YEAR.

Name	Residence	Room
Abbott, Percy Hobbs	*Waterboro*	44 Pleasant St.
Anderson, Harry Edward	*South Limington*	172 Maine St.
Brown, Elmer Jonathan	*Strong*	172 Maine St.
Bryant, Hannibal Hamlin, Jr , A. B	*Waterville*	6 Cleaveland St.
Carpenter, Lester Warren	*North Waterboro*	44 Pleasant St.
Deering, Charles Fuller	*Winslow's Mills*	6 Cleaveland St.
Drummond, Joseph Blake, A. B.	*Portland*	38 College St.
Fahay, William Joseph	*Lewiston*	84 Federal St.
Greene, Charles Harlow	*North Bridgton*	11 Pleasant St.
Hall, Leo Frederick	*Augusta*	64 Federal St.
Holt, Erastus Eugene, Jr., A. B.	*Portland*	38 College St.
Humphreys, Ernest Davis	*Henderson*	6 Cleaveland St.
Leighton, Adam Phillips, Jr.	*Portland*	30 Cumberland St.
Marshall, Linn Bayard	*Portland*	185 Maine St.
Mikelsky, Frank, A. B	*Brunswick*	19 M. H.
Milliken, James Atwood Crowell	*New Bedford, Mass.*	12 Everett St.
Oram, Julius Calvin	*Portland*	234 Maine St.
Russell, Blinn Whittemore, A. B.	*Farmington*	185 Maine St.
Traynor, Charles Francis.	*Biddeford*	30 Cumberland St.
Valladares, Ricardo Geronimo	*Santa Clara, Cuba*	234 Maine St.

FIRST YEAR.

Name	Residence	Room
Bagley, Edward Spaulding	*Woodfords*	21 W. H.
Baldwin, Albert Kilburn, A. B.	*West Paris*	10 Harpswell Pl.
Clement, James Donald	*Belfast*	3 M. H.
Conroy, James	*Portland*	5 Bath St.
Dolley, Frank Stephen	*Portland*	7 Everett St.
Giles, Ralph Waldo, A. B	*East Brownfield*	5 Bath St.
Jackson, Elmer Herbert	*Jefferson*	17 A. H.
King, Elmer Henry	*Syracuse, N. Y*	3 M H
Lancaster, Arthur Linwood	*Richmond*	172 Maine St·
Lente, Harry Hallock	*South Thomaston*	6 Cleaveland St.
Long, Paul Raymond	*Parsonsfield*	10 Green St.
Nason, Charles Jewell	*Hampden*	10 Green St.
Ostergren, Christian Vilhelm	*Stockholm, Sweden*	17Cleaveland St.
Pritchard, Montague	*Fall River, Mass.*	17 A. H.
Purinton, Royce Davis, A. B	*Lewiston*	
Robinson, Carl Merrill	*Portland*	7 A. H
Stanwood, Harold William	*Rumford Falls*	28 College St.
Stetson, Rufus Edwin	*Damariscotta*	28 College St.
Taylor, Cornelius John	*Bangor*	84 Federal St.
Thewlis, Malford Wilcox	*Wakefield, R. I.*	84 Federal St.
Tobey, Harold Grant, A. B.	*Clinton, Mass*	11 Potter St.
Weeks, Charles Delano	*Bath*	10 Harpswell Pl.
Wharton, Charles Green	*Los Angeles, Cal.*	7 Everett St.
Wollin, Gustaf Fritz Robert	*Worcester, Mass*	10 Cumberland St.

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of eight months each. The studies are distributed through the curriculum according to the following schedule:

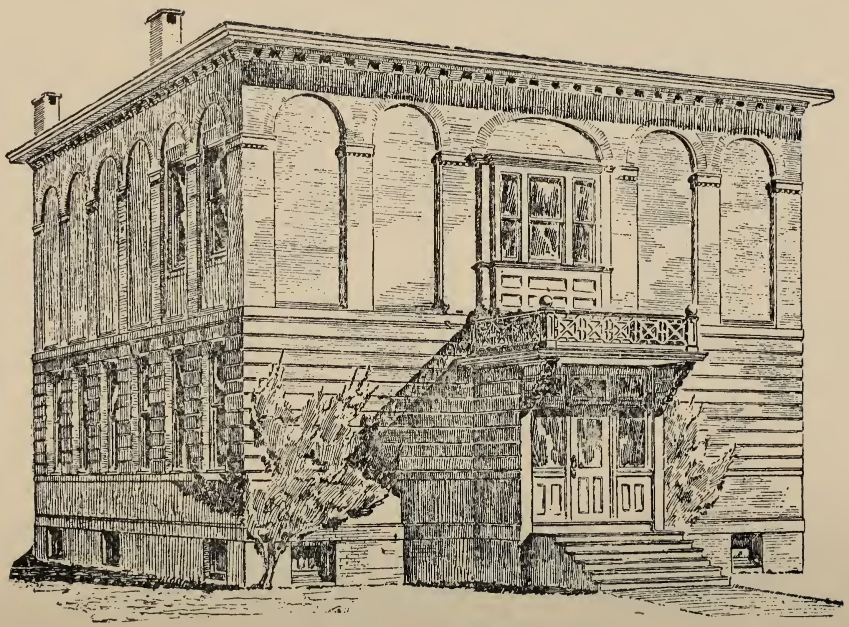
First Year: Anatomy, Embryology, Histology, Physiology, Chemistry and Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Diseases of Women, Obstetrics, Diseases of the Skin.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Neurology, Clinical instruction in Diseases of the Skin, Diseases of the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Joints, Diseases of the Nose and Throat.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, near the Maine General Hospital, in which institution nearly all the teachers in the



SCHOOL BUILDING, PORTLAND

school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the book) is the chief source of supply of clinical material for the school, Portland has a number of other institutions which will contribute to the bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The eighty-ninth annual course will begin on Thursday, the 22d of October, 1908, and will continue eight months.

Examinations for *admission to the school* will be held at nine o'clock on the morning of the first day, Thursday the 22d of October, in Brunswick.

Final examinations for each class will be held in the period from the 9th to the 23d of June inclusive.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick, on Friday, the 23d of October. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 24th. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 23d and 24th, at hours to be hereafter appointed.

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*The electric cars (Spring Street line—blue) run on Vaughan Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Dean.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work, will be warned of his deficiency from time to time, before the end of the term.

An examination which is not complete receives no consideration.

The systematic courses of instruction will begin on Monday morning, the twenty-sixth of October.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction:

In each of the required four years $100. After attendance upon four full courses payment of the Matriculation fee only will be required.

For Examinations:

Payable at the close of the term of instruction,

In Anatomy,	$5.00
In Physiology,	5.00
In Chemistry,	5.00
In Bacteriology and Pathology,	5.00
In Obstetrics,	5.00

These five fees are credited on the diploma or graduation fee.

For every re-examination in any of the departments in any year,	$3.00

This fee is not credited on the diploma fee.

For examination or re-examination in any branch at a time not regularly appointed, the student shall pay a fee of $5.00 in addition to the prescribed fee for that examination,

Miscellaneous:

The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $3.00 for first course, $3.00 for second course, payable in advance at the Dean's office.

For material used in the physiological laboratory $2.00 for first course, $1.00 for second course, payable in advance at Dean's office.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be *paid in cash* and *strictly in advance.*

Unfurnished rooms heated by steam can be secured in the College dormitories at a rental of from $72 to $108 for each course. Furnished rooms outside the College can be obtained at a rental of from $1.50 to $2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from $3.00 to $3.50 a week.

The cost of living in Portland has been found to be not in excess of that at Brunswick.

$15 to $25 a year covers the cost of books.

REQUIREMENTS FOR ADMISSION.

In place of the requirements for admission to the first year hitherto announced there are substituted the following requirements of the Association of American Medical Colleges, with the exception that one year of Chemistry be specifically required.

Section 1. (a) A bachelor's degree from an approved college or university.

(b) A diploma from an accredited high school, normal school, or academy requiring for admission evidence of the completion of an eight-year course in primary and intermediate grades, and for graduation not less than four years of study embracing not less than two years (4 points) of foreign languages, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

(c) An examination in the following branches: A. Required (18 points); Mathematics (4 points); English (4 points); history (2 points); language (4 points—2 must be Latin); science (taken from physics, chemistry, botany, zoology; 4 points). B. Optional (to 12 points); English (2 points); history (6 points); language (6 points); manual training (2 points); mechanical drawing (1 point); natural science (botany, zoology; 2 points); physical science (chemistry, physics; 2 points); trigonometry (1 point); astronomy (1); civics (1); geology (1); physical geography (1); physiology and hygiene (1); political economy (1)—not more than 3 points accepted.

(One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes each for eighteen weeks.)

(d) Certificates from reputable instructors recognized by the superintendents hereinafter to be mentioned, or by any state board of medical examiners duly authorized by law, may be accepted in lieu of any part of this examination.

Section 2. This examination will be conducted by the Superintendent of Schools of Brunswick and Freeport, Charles Melvin Pennell, A. B.

Section 3. A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examination before he is allowed to enter on the second year of his medical course.

Business colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which

admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

Students in the Senior Class of the Academic department are permitted to take the studies of the first year in the Medical department and thus are eligible for the first year final Medical examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination. The same consideration is asked for the explicit condition named as regulating the pre-payment of fees in cash.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean, at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions, and in preparatory schools does not entitle a student to examination for advanced standing.

A student who has received the degree of A. B., B. S., or any similar degree after four years of study in a recognized college or technical school, if his studies have included a satisfactory amount of chemistry, physics and biology, may be admitted as a second year student, but when so admitted he shall not gain third year standing until he has passed satisfactory examinations in the studies of the first and second years. The faculty of this School are unanimously of the opinion that only under most exceptional conditions should this requirement be made available, and that practically a student ought not to enter upon the studies of the second year until he has passed satisfactory examinations in the studies of the first year.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch extends over two years and covers every portion of human anatomy with special reference to its application in the practice of medicine and surgery. The scope is so extensive as to require a number of instructors and a division of the work; but an attempt is made to harmonize the various divisions and enable students to spend their time to the best possible advantage. In the lecture room every part of human anatomy is taken up by systems as arranged in Gerrish's Text-Book. Some subjects are treated by lectures and many by demonstrations, but the greater part of the work consists of recitations and demonstration quizzes.

First year students study embryology, histology, osteology, arthrology and visceral anatomy, including the study of the cerebro-spinal axis and organs of the special senses. Second year work includes the remainder of systematic anatomy and relational anatomy. The class room work is made valuable by the

exhibition of dissected parts, models and casts; and from time to time students are required to present drawings of different organs. Considerable attention is also paid to surface anatomy, which is studied on the living model.

During the first year, every tissue and organ is studied microscopically in the histological laboratory and reproduced by free hand drawing. Late in the term, first year students dissect some of the higher vertebrates or such parts of human anatomy as are included in their work. In this way they not only reinforce their text book knowledge but acquire manual dexterity invaluable to them for the dissecting-room work of their second year. The instruction in embryology is given by means of lectures, demonstrations and quizzes.

The practical gross anatomy is taken up late in the second year after the entire subject of anatomy has been studied by systems in the class room. A period of six weeks is devoted to this work, during which time no other exercises are held for second year men in this or any other department and each student is required to dissect an entire lateral half of the human body.

At the end of the first year, students are required to pass a written and an oral examination in the work of the year and to identify organs and tissues that they have studied, gross and microscopic. Second year students must pass a written and oral examination in the work of their year and identify the parts of the dissected human subject.

Before coming to the school students can do much to equip themselves for appreciation of human anatomy by making dissections of some lower animals and are advised to follow the directions prescribed in, ''Physiology Practicums'' (which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y.) or Davison's Mammalian Anatomy.

The Anatomical Museum is well supplied with wet and dry specimens, casts and models and a large number of disarticulated skeletons are provided which may be borrowed by the class.

PHYSIOLOGY.

Instruction in this department is conducted with reference to the practical application of the facts of human physiology to the needs of the student, in his study of the diagnosis and treatment of disease. Class room demonstrations and experimental laboratory teaching are employed, so far as they can be made to serve this purpose.

The instruction will be given by practical laboratory work, text book recitation and supplementary lectures.

The laboratory is fully equipped with the Harvard apparatus.

The work of the first year will be devoted to study by practical laboratory exercises, extending over half the term, of the functions of Nutrition. Special attention will be given to the physiology of nerve and muscle, of the Blood, including its microscopical study; Digestion and the phenomena and physics of the Circulation and Respiration. Students will be taught to demonstrate for themselves the essential facts connected with these functions,

Written reviews will be held from time to time besides regular quizzes upon both the didactic and laboratory work.

The work of the second year will be devoted to the study of Reproduction, the Nervous System, the Special Senses and the physiology of Voice and Speech.

The department is well equipped with charts, models and apparatus for demonstration and experimental work, admirably adapted to aid in giving students a thoroughly practical course in Physiology.

A laboratory fee of $2.00 will be charged, to defray cost of material, which must be paid in advance at the Dean's office before beginning the laboratory course. Students will furnish at their own cost necessary instruments for nerve-muscle dissection and will be charged extra with the cost of any injury to apparatus.

In connection with this course several hours will be devoted to the subject of Personal Hygiene.

CHEMISTRY.

The chemical courses extend over the first two years. They consist of lectures, conferences and laboratory work, occupying from five to nine hours per week for each class. As a knowlege of general inorganic chemistry is required for admission, first year men begin with the application of general chemistry to the qualitative analysis of simple substances. This is followed by the principles and practice of quantitative analysis, especially volumetric.

The examples used in analysis are selected with special reference to the work of a physician, and include water, air, and the inorganic poisons. The analytical courses take the first half year.

The second half year with first year men is given to general organic chemistry, in which the structure, preparation and relation of structure to properties are illustrated in cases of the simpler compounds.

Second year students begin with a study of the more complex organic compounds related to medicine, such as the synthetic coal tar compounds, the alkaloids, ptomains and leucomains.

This is followed by physiological chemistry including analysis of urine and other secretions.

The aim is to make the chemical courses as practical as possible. To this end the student is taught to prepare many of the solutions and test substances, as well as to use them. He is taught also how to construct apparatus, manipulate glass tubing, etc. The facilities afforded by the Searles Science Building make it possible to do this to an unusual degree.

Students who have completed in other schools, courses of study equivalent to the above, may, upon examination, be excused from any of them.

Each student is required to pay in advance at the Dean's office a laboratory fee, covering the average cost of chemicals, gas and water. This is $3 for first year men and $3 for second.

In addition each will pay for apparatus broken or not returned at the end of the term.

OBSTETRICS.

Instruction in this department will be given by lectures and recitations. The instructor in Obstetrics will demonstrate for the class, in sections, work on the manikin; the diagnosis of position and presentation, the mechanism of normal labor; the manœuvers necessary in the delivery of abnormal cases, version and application of forceps. Each member of the class will have a chance to perform these various manipulations.

It is hoped that an arrangement will be made whereby the city maternity cases will be at the disposal of the teachers, so clinical instruction may be given to the class in sections, and individual cases furnished for each member.

INTERNAL MEDICINE.

Instruction in this department continues throughout the third and fourth years. During the first half of the third year the time is devoted mainly to the study of Diagnosis. The remaining weeks of the course include consideration of special diseases following the order usually found in standard textbooks. The fourth year comprehends the study of such special diseases as were not considered in the preceding year.

In connection with this department there will be given special and additional instruction relating to the conduct of life insurance examinations.

During both years class room instruction is given didactically and by means of regular recitations.

A clinic is held at the Maine General Hospital upon each Thursday morning from nine to eleven o'clock; the material being received from the wards of the hospital and occasionally from outside sources.

Care is taken to afford the students opportunities for personal examination of cases with the prominent object of having them become familiar with physical signs. It is hoped that material of the City Hospital and patients out of the hospital, under the care of the City Physician, may be made available during the coming year.

This department recognizes with that of Surgery our special indebtedness to the Staff of the Portland Charitable Dispensary in that it affords sections of our classes opportunities for clinical observation and physical exploration.

PATHOLOGY AND BACTERIOLOGY.

The new, commodious and amply equipped laboratory in Seth Adams Hall gives excellent facilities for instruction in bacteriology and pathological histology. The course in clinical pathology is given in the laboratory at the school building in Portland.

Instruction is given by lectures, recitations and laboratory work. For convenience it is divided into four courses.

1. Bacteriology. This course is given to second year students and occupies fourteen hours a week from the beginning of the term until the Christmas recess. Each studentis required to cultivate on media twelve varieties of pathogenic bacteria and to study their characteristics. Principles of disinfection are studied, and verified by experiment. A limited number of inoculation experiments are performed. Students make bacteriological examination of water and milk. Special attention is given to the laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

2. General Pathology, including Pathological Histology. This course is given to second year students. Instruction occupies fourteen hours each week, and lasts from January 1st to April 1st. McFarland's text book is used as a basis for this course. The text book is supplemented by lectures on special subjects. As far as possible the consideration of a subject in the class-room is followed by a study of the same subject in the laboratory. During the latter part of the course much

time is given to diagnosis work upon microscopical preparations.

3. Blood Examination. This is a short course given to second year students during the last week in May and the first week in June. Students are trained in counting red and white corpuscles, in estimating the amount of hemogloblin, in preparing and examining fresh and stained specimens.

4. Clinical Pathology. This course is given to third year students. It includes instruction given as opportunity occurs at the surgical clinics and a fifty hour course at the school laboratory in Portland. In this course each student examines microscopically the tissues and other pathological material obtained at the clinics at the Maine General Hospital.

SURGERY.

The instruction in surgery is given by lectures, recitations, demonstrations, clinics, diagnosis exercises on the patient, and operations on the cadaver. It extends throughout the third and fourth years of the course, and in the highest possible degree is practical in character.

In the didactic course the recitation method is employed for the most part, as being particularly helpful to the students,—necessitating careful preparation of each lesson, allowing no essential point to be slighted, and stimulating pride by the certainty of each that his work will be compared with that of his fellows. But the lecture method is used whenever it seems serviceable, as in the introduction of new topics, the presentation of the salient features of unfamiliar subjects, and the explanation or amplification of matters not adequately treated in the text book.

The students perform a large variety of operations upon the cadaver, under the immediate direction and supervision of the teacher. The application of bandages and other dressings is taught in the most practical manner.

The principal clinical teaching is given at the Maine General

Hospital by the six visiting surgeons, all of whom are professors, assistant professors, or clinical instructors in the School. Twice in each week some of these teachers hold exercises in diagnosis, in which the students are instructed in proper methods, and privileged to make personal examination of cases. Sections of the class are taken in turn through the wards, and are given opportunities for the observation of the after-treatment and progress of patients, upon whom they have seen operations performed. A system of notification by telephone enables the students to obtain prompt information of accident cases, which are brought into the Hospital. The amount of clinical material at this institution far exceeds the capacity of the classes to appropriate it without neglecting other and essential studies. The surgeons of the Portland Charitable Dispensary permit sections of the class to observe cases at their daily service—a privilege highly valued and constantly accepted, as the kind of diseases is largely different from those usually seen at the Hospital. The City Hospital, also, occasionally presents interesting and useful material.

MATERIA MEDICA AND THERAPEUTICS.

Instruction in this department is given during the third and fourth years.

In the third year the teaching is by lectures and quizzes. Special attention is given to the study of pharmacology, or the action of drugs; as it is only by a thorough knowledge of this part of the subject that medicines can be properly employed for the correction of the abnormal conditions found in disease.

Considerable time, every week, is devoted to prescription writing. By this exercise, students not only learn to write prescriptions correctly, but to make application of their knowledge of drugs in the treatment of disease. They are required to prescribe for supposed patients, a description of whose symptoms has been given to them. These prescriptions are put before the class for criticism and discussion, and have proved very useful in making their knowledge of drugs definite and practical.

In the fourth year the lectures and quizzes will be continued, and there will also be a recitation course in practical therapeutics. These courses supplement each other. In the course of Materia Medica we study individual drugs, and learn how they may modify certain conditions, which may be found in many different diseases. In the course on therapeutics, we study the symptoms of a given disease, and learn what different drugs we may employ to relieve them.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNÆCOLOGY.

The course in Diseases of Women will continue through the third and fourth years. By a new arrangement, third year students will have work mainly didactic in character.

Dr. Willis Bean Moulton will in the fourth year conduct a course in the Pathology of Diseases of Women.

There will also be weekly clinics for fourth year students, at which the examination of female patients will be an important feature.

DISEASES OF CHILDREN.

Instruction will be given by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class.

MENTAL DISEASES.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity, with a view to the institution of treatment at the time when it is most productive of good results.

OPHTHALMOLOGY AND OTOLOGY.

The instruction in these departments will be given by lectures and clinics. A weekly clinic will be held at the Hospital on Saturday, at 9 A. M. The various diseases will be described as cases illustrating them are available for demonstration; operations will be performed when required; and other treatment applied as may be necessary.

PUBLIC HYGIENE.

Instruction is given by the Professor of Physiology who is a member of the State Board of Health, by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health-boards, in the management of infectious diseases.

NEUROLOGY.

Instruction in Neurology will be given to the fourth class each week throughout the course by lectures, clinics and quizzes, two hours of each week being devoted to such instruction.

GENITO-URINARY SURGERY.

Instruction in Genito-Urinary Surgery will be given to the fourth class each week during the first half of the course.

DERMATOLOGY.

Instruction in Dermatology will be given to the third year class each week during the first twenty-four weeks.

ORTHOPEDIC SURGERY.

A clinic in Orthopedic Surgery will be held at the Hospital on each Friday morning at 9 A. M.

DISEASES OF THE NOSE AND THROAT.

The fourth class will receive special instruction, both didactic and clinical in Diseases of the Nose and Throat, weekly throughout the course.

SCHEDULE FOR THE FIRST YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY		8—11		8—11	8—11	
CHEMISTRY	2.30—5.30		2 30—5.30		2.30—5.30	
PHYSIOLOGY AND PERSONAL HYGIENE			8—11			8—11
HISTOLOGY	8—11					
April 6—May 19 ANATOMY (Dissecting)		11—12 1.30—5.30		8—11 1.30—5.30		1.30—5.30

SCHEDULE FOR THE SECOND YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY		8—9			8—9	
CHEMISTRY		10—12		10—12		
PHYSIOLOGY	Jan. and Feb 8—11		8—11			8—11
PATHOLOGY AND BACTERIOLOGY	2 00 - 5 30	2 00 - 5 30	2.00—5.30		2 00—5 30	
April 6—May 19 ANATOMY (Dissecting)	8—11 30 1 30—5 30	8—11.30 1 30—5 30	8—11 30 1 30—5 30	8—11 30 1.30—5.30	8—11.30 1 30—5.30	8—11.30 1 30 - 5.30

SCHEDULE FOR THE THIRD YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	3.30—4 30			9—11C 4 30—5.30	3.30—4.30	
SURGERY	8—9B 10—12C	10—12C	8—9B 10—12C	8—9B 10—12C	10—12C	10—1C
MATERIA MEDICA AND THERAPEUTICS	9—10A		2—3A		9—10A	
OPTHALMOLOGY AND OTOLOGY						8.30—10
GYNECOLOGY			9—10B			
CLINICAL PATHOLOGY After April 6		2—5		2—5		
OBSTETRICS	10—11B	8—9Ax			10—11	
DERMATOLOGY Twenty-four weeks			8—9			

A Lecture room on first floor. B Lecture room on second floor. C Clinic. x Quiz. *Every alternate week.

SCHEDULE FOR THE FOURTH YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	2—3A			9—11C	2—3A	
SURGERY	10—11D	8—9B	10—12D	11—12C	8—9B 11—12C	10 1C
MATERIA MEDICA AND THERAPEUTICS		2—3A		2—3A		
MEDICAL JURISPRUDENCE	Hours of instruction to be hereafter announced					
PUBLIC HYGIENE	Hours of instruction to be hereafter announced					
GYNECOLOGY		10—12D				
MENTAL DISEASES	Hours of instruction to be hereafter announced					

SCHEDULE FOR THE FOURTH YEAR—Continued

OPTHALMOLOGY AND OTOLOGY	8—9A					8.30—10C
DISEASES OF CHILDREN**	9—10A			12—1A		
GENITO-URINARY DISEASES First half term				8—9A		
NEUROLOGY	12—1A				12—1A	
ORTHOPEDICS					9—11C	
LARYNGOLOGY AND RHINOLOGY			12—1			

A Lecture room on first floor. B Lecture room on second floor. C Clinic- D Diagnosis exercise.
x Quiz. * Every alternate week. ** Clinical work aggregating one hour per week.

CALENDAR.

1908.

22 October—Thursday. Extrance Examination: for first year students, at nine o'clock, A. M., in Brunswick.

23 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year in Brunswick, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock P. M.; in Chemistry as appointed by the Professor.

24 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing, for third year, in Portland, in Anatomy, at nine o'clock A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 23d and 24th at hours to be hereafter appointed.

Thanksgiving Recess from Wednesday, Nov. 25, 1.30 P. M. to 8 A. M., Monday, Nov. 30th.

Recess from 4.30 p. m., Wednesday, December 23d to 8 a. m., Monday, January 4th.

1909.

22 February—Monday, Washington's Birthday. Holiday. No exercises.

April—Recess from noon of Saturday, March 27th, to morning of Tuesday, April 6th.

31 May—Monday, Memorial Day. Holiday. No exercises.

9 to 23 June—Examinations. Wednesday to Wednesday of second week.

23 June—Wednesday. Commencement.

Summer vacation, seventeen weeks.

THE MAINE GENERAL HOSPITAL, PORTLAND

SERIES NUMBER 25

BOWDOIN COLLEGE BULLETIN

MEDICAL DEPARTMENT NUMBER

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1909 1910

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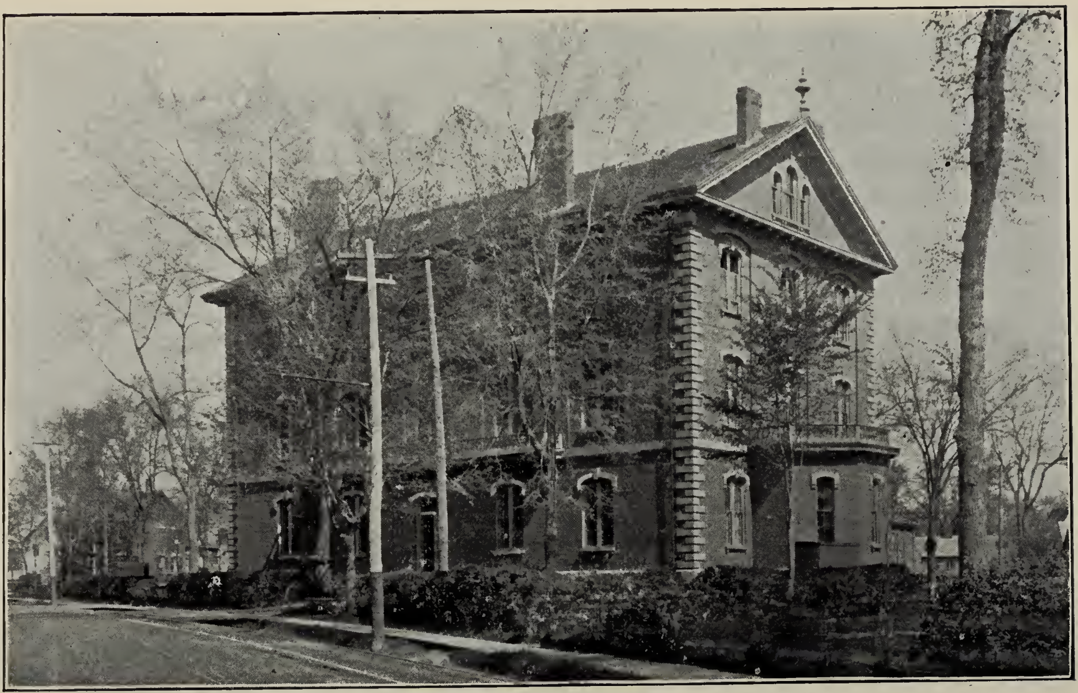

SCHOOL BUILDING, BRUNSWICK

CATALOGUE OF THE MEDICAL SCHOOL OF MAINE, THE MEDICAL DEPARTMENT OF BOWDOIN COLLEGE

FOR THE NINETIETH YEAR

1909

1794

1910

BRUNSWICK, MAINE

PRINTED FOR THE COLLEGE, MDCCCCIX

PRESS OF THE BRUNSWICK RECORD
BRUNSWICK, MAINE

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ALFRED MITCHELL, M. D., LL. D.,
DEAN AND PROFESSOR OF INTERNAL MEDICINE.
163 Maine Street, Brunswick.

FREDERIC HENRY GERRISH, M. D., LL. D.,
PROFESSOR OF SURGERY.
675 Congress Street, Portland.

FRANKLIN CLEMENT ROBINSON, LL. D.,
PROFESSOR OF CHEMISTRY.
214 Maine Street, Brunswick.

LUCILIUS ALONZO EMERY, LL. D.,
PROFESSOR OF MEDICAL JURISPRUDENCE.
Ellsworth.

CHARLES DENNISON SMITH, A. M., M. D.,
PROFESSOR OF PHYSIOLOGY.
Maine General Hospital, Portland.

ALBERT ROSCOE MOULTON, M. D.,
PROFESSOR OF MENTAL DISEASES.
Pennsylvania Hospital for the Insane, Philadelphia.

EDWIN WAGNER GERHING, B. S., M. D.,
INSTRUCTOR IN PHYSIOLOGY.
690 Congress Street, Portland.

THOMAS JAYNE BURRAGE, A. M., M. D.,
DEMONSTRATOR OF HISTOLOGY.
139 Park Street, Portland.

CHARLES LANGMAID CRAGIN, M. D.,
ASSISTANT DEMONSTRATOR OF ANATOMY.
929a Congress Street, Portland.

PHILIP PICKERING THOMPSON, A. B., M. D.,
ASSISTANT DEMONSTRATOR OF ANATOMY.
704 Congress Street, Portland.

PHILIP WEBB DAVIS, A. B., M. D.,
CLINICAL ASSISTANT IN SURGERY.
99 Winter Street, Portland.

WILLIAM MORAN, M. D.,
CLINICAL ASSISTANT IN DISEASES OF THE EYE.
Y. M. C. A. Building, Portland.

ALFRED WILLIAM HASKELL, M. D.,
CLINICAL ASSISTANT IN SURGERY.
660 Congress Street, Portland.

ERNEST WOODBURY FILES, A. B., M. D.,
CLINICAL ASSISTANT IN MEDICINE.
545 Deering Avenue, Portland.

FRANCIS JOSEPH WELCH, A. B., M. D.,
CLINICAL ASSISTANT IN MEDICINE.
359 Congress Street, Portland.

GEORGE THOMAS LITTLE, LITT. D.,
LIBRARIAN.
8 College Street, Brunswick.

BENJAMIN FRANKLIN STURGIS, M. D.,
ALBERT LINSCOTT STANWOOD, M. D.,
VISITORS FROM THE MAINE MEDICAL ASSOCIATION.

GRADUATES OF 1909.

Henry Whiting Ball	Mt. Desert Ferry
Willard Hiram Bunker	Red Beach
James Francis Cox, A. B.	Houlton
Charles Hunter Cunningham, A. B	Strong
Charles Leverett Curtis	Middleton, Mass.
George Ivery Higgins	Clinton
Harris Page Illsley	Limington
Irving Ellis Mabry, A. B	East Hiram
Walter Irving Merrill	Portland
John Luke Murphy	Bartlett, N. H.
Sidney Eugene Pendexter	Portland
Hugh Francis Quinn, A. B	Bangor
Archibald Charles Ross	Portland
Clarence Raymond Simmons	Appleton
Otis Franklin Simonds, A. B	Portland
Ivan Staples	Limerick
Herbert Ellery Thompson, A. B	Portland
William Cotman Whitmore, A. B	Portland

STUDENTS IN 1909.

FOURTH YEAR.

Name	Residence	Room
Ball, Henry Whiting	*Mt. Desert Ferry*	*568 Congress St.
Bunker, Willard Hiram	*Red Beach*	435 St. John St.
Cox. James Francis, A. B.	*Houlton*	294 Brackett St.
Cunningham, Charles Hunter, A. B.	*Strong*	174 Neal St.
Curtis, Charles Leverett	*Middleton, Mass*	568 Congress St.
Higgins, George Ivery	*Clinton*	280 Brackett St.
Illsley, Harris Page	*Limington*	194 Grant St.
Mabry, Irving Ellis, A. B	*East Hiram*	89 Spruce St.
Merrill, Walter Irving, A. B	*Portland*	435 St. John St.
Murphy. John Luke	*Bartlett, N. H*	174 Neal St.
Pendexter, Sidney Eugene	*Portland*	561 Congress St.
Quinn, Hugh Francis, A. B	*Bangor*	294 Brackett St.
Ross, Archibald Charles	*Portland*	280 Brackett St.
Simmons, Clarence Raymond	*Appleton*	174 Neal St.
Simonds, Otis Franklin, A. B	*Portland*	82 India St.
Staples, Ivan	*Limerick*	219 High St.
Thompson, Herbert Ellery, A. B	*Portland*	83 Casco St.
Whitmore, William Cotman, A. B	*Portland*	83 Myrtle St.

THIRD YEAR.

Name	Residence	Room
Abbott, Percy Hobbs	*Waterboro*	44 Ellsworth St.
Anderson, Harry Edward	*South Limington*	85 Spring St.
Brown, Elmer Jonathan	*Strong*	851 Congress St.
Bryant, Hannibal Hamlin, Jr., A. B.	*Waterville*	22 Charles St.
Carpenter, Lester Warren	*North Waterboro*	123 Oxford St.
Deering, Charles Fuller	*Winslow's Mills*	22 Chadwick St.
Drummond, Joseph Blake, A. B	*Portland*	105 Elwell St.
Fahay, William Joseph	*Lewiston*	44 Ellsworth St.

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* The rooms of Third and Fourth Year students are in Portland unless otherwise stated.

Name	Residence	Room
Hall, Leo Frederick	*Augusta*	44 Ellsworth St.
Holt, Erastus Eugene, Jr., A. B.	*Portland*	723 Congress St.
Humphreys, Ernest Davis	*Henderson*	22 Chadwick St.
Leighton, Adam Phillips, Jr.	*Portland*	261 Western Promenade
Marshall, Linn Bayard	*Portland*	302 Brackett St.
Mikelsky, Frank, A. B.	*Brunswick*	851 Congress St.
Milliken, James Atwood Crowell	*New Bedford, Mass.*	9 Wescott St.
Ostergren, Christian Vilhelm.	*Stockholm, Sweden*	22 Charles St.
Russell, Blinn Whitmore, A. B.	*Farmington*	302 Brackett St.
Traynor, Charles Francis	*Biddeford*	20 Bramhall St.
Valladares, Ricardo Geronimo	*Santa Clara, Cuba*	9 Wescott St.
Webber, Merlon Ardeen, A. B.	*Fairfield*	14 Wescott St.
Webber, Millard Carroll, A. B.	*Fairfield*	14 Wescott St.

SECOND YEAR.

Name	Residence	Room
Baldwin, Albert Kilburn, A. B.	*Brunswick*	10 Harpswell, Pl.
Clement, James Donald	*Belfast*	10 M. H.
Dolley, Frank Stephen	*Brunswick*	7 School St.
Jackson, Elmer Herbert	*Jefferson*	2 Bath St.
King, Elmer Henry	*Syracuse, N. Y*	10 M. H.
Long, Paul Raymond	*Parsonsfield*	28 Cumberland St.
Nason, Charles Jewell	*Hampden*	28 Cumberland St.
Robinson, Carl Merrill, A. B.	*Portland*	7 A. H.
Stanwood, Harold William	*Rumford Falls*	22 M. H.
Stetson, Rufus Edwin, A. B.	*Damariscotta*	262 Maine St.
Stevens, Carl Hervey	*Northport*	185 Maine St.
Taylor, Cornelius John	*Bangor*	185 Maine St.
Thewlis, Malford Wilcox	*Providence, R. I.*	185 Maine St.
Tobey, Harold Grant, A. B.	*Clinton, Mass*	7 A. H.
Wharton, Charles Green	*Tulare, Cal*	7 School St.
Wollin, Gustaf Fritz Robert	*Ystad, Sweden*	10 Cumberland St.

FIRST YEAR.

Name	Residence	Room
Bennett, Roland Joseph	*Dover, N. H.*	33 Cumberland St.
Brown, Freeman Fletcher	*Vinal Haven*	1 High St.
Buck, George Henry	*Harrison*	4 Cleaveland St.
Carney, Harold Edwards	*Portland*	11 Everett St.

Name	Residence	Room
Dunn, Archibald Wallace	*Auburn*	50 Federal St.
Fogg, Neil Augustus	*Freeport*	Freeport
Harris, William Matthew	*Brunswick*	Δ. K. E. House
Hammond, Walter Jean, A. B.	*Howland*	30 Cumberland St.
Hendee, Walter Whitman	*Augusta*	174 Maine St.
Kane, Howard Francis	*Machias*	84 Federal St.
Jackson, Sumner Waldron	*Waldoboro*	84 Federal St.
Johnson, Henry Lincoln	*Brunswick*	44 Union St.
Lente, Harry Hallock	*South Thomaston*	11 Everett St.
Merrill, Clyde Harold	*Auburn*	10 Cumberland St,
Nolin, Frank Elmer	*Skowhegan*	84 Federal St.
Pratt, Harold Sewall	*Farmington*	Δ. Υ. House
Rosen, William	*New Bedford, Mass.*	185 Maine St.
Scammon, Clarence Linwood.	*Hartland*	84 Federal St.
Stanley, Oramel Henry	*Fryeburg*	4 Cleaveland St.
Sturtevant, James Melvin	*Dixfield*	Θ. Δ. X. House
Wentworth, John Alexander	*Portland*	22 A. H.
Wilson, Charles Moore	*Waterford*	6 Cleaveland St.

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of eight months each. The studies are distributed through the curriculum according to the following schedule:

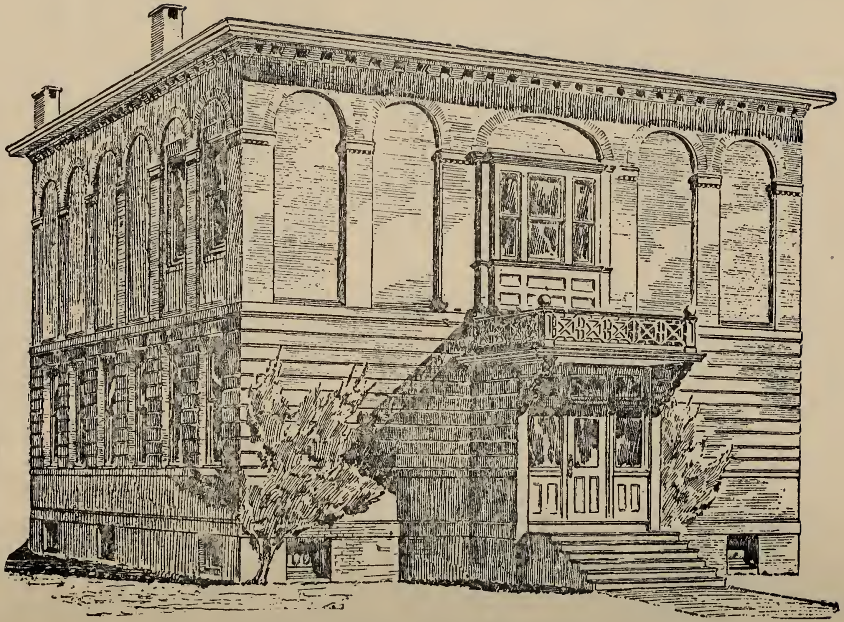
First Year: Anatomy, Embryology, Histology, Physiology, Chemistry and Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Diseases of Women, Obstetrics, Diseases of the Skin.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Neurology, Clinical instruction in Diseases of the Skin, Diseases of the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Joints, Diseases of the Nose and Throat.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, near the Maine General Hospital, in which institution nearly all the teachers in the



SCHOOL BUILDING, PORTLAND

school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the book) is the chief source of supply of clinical material for the school, Portland has a number of other institutions, such as the Maine Eye and Ear Infirmary, the Portland Charitable Dispensary, the Children's Hospital, Female Orphan Asylum, St. Elizabeth's Orphan Asylum, the Holy Innocents Home, the Maine School for the Deaf, which will contribute to the bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The ninetieth annual course will begin on Thursday, the 21st of October, 1909, and will continue eight months.

Examinations for *admission to the school* will be held at nine o'clock on the morning of the first day, Thursday the 21st of October, in Brunswick.

Final examinations for each class will be held in the period from the 8th to the 22d of June, 1910, inclusive.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick on Friday, the 22d of October. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 23d. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 22d and 23d, at hours to be hereafter appointed.

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*The electric cars (spring Street line—blue) run on Vaughan Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Dean.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work, will be warned of his deficiency from time to time, before the end of the term.

An examination which is not complete receives no consideration.

The systematic courses of instruction will begin on Monday morning, the twenty-sixth of October.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office of the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction:

In each of the required four years $100. After attendance upon four full courses payment of the Matriculation fee only will be required.

For Examinations:

Payable at the close of the term of instruction,

In Anatomy,	$5.00
In Physiology,	5.00
In Chemistry,	5.00
In Bacteriology and Pathology,	5.00
In Obstetrics,	5.00

These five fees are credited on the diploma or graduation fee.

For every re-examination in any of the departments in any year, $3.00

This fee is not credited on the diploma fee.

For examination or re-examination in any branch at a time not regularly appointed, the student shall pay a fee of $5.00 in addition to the prescribed fee for that examination.

Miscellaneous:

The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $3.00 for first course, $2.00 for second course, payable in advance at the Dean's office.

For material used in the physiological laboratory $2.00 for first course, $1.00 for second course, payable in advance at Dean's office.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be paid in cash and in advance.

Furnished rooms can be obtained at a rental of from $1.50 to $2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from $3.00 to $3.50 a week.

The cost of living in Portland has been found to be not in excess of that at Brunswick.

$15 to $25 a year covers the cost of books.

REQUIREMENTS FOR ADMISSION.

Requirements for admission to the first year are those of the Association of American Medical Colleges, with the exception that one year of Chemistry be specifically required.

Section 1. (a) A bachelor's degree from an approved college or university, or (b) or (c).

(b) A diploma from an accredited high school, normal school, or academy requiring for admission evidence of the completion of an eight-year course in primary, and intermediate grades, and for graduation not less than four years of study embracing not less than two years (4 points) of foreign languages, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

(c) An examination in the following branches: A. Required (18 points); Mathematics (4 points); English (4 points); history (2 points); language (4 points—2 must be Latin); science (taken from physics, chemistry, botany, zoology; 4 points). B. Optional (to 12 points); English (2 points); history (6 points); language (6 points); manual training (2 points); mechanical drawing (1 point); natural science (botany, zoology; 2 points); physical science (chemistry, physics; 2 points); trigonometry (1 point); astronomy (1); civics (1); geology (1); physical geography (1); physiology and hygiene (1); political economy (1)—not more than 3 points accepted.

(One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes each for eighteen weeks).

(d) Certificates from reputable instructors recognized by the superintendents hereinafter to be mentioned, or by any state board of medical examiners duly authorized by law, may be accepted in lieu of any part of this examination.

Section 2. This examination will be conducted by the Superintendent of Schools of Brunswick and Freeport, John Albert Cone, A. B.

Section 3. A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examination before he is allowed to enter on the second year of his medical course.

Business colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

Students in the Senior Class of the Academic department are permitted to take the studies of the first year in the Medical department and thus are eligible for the first year final Medical examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination.

The Boards of Trustees and Overseers of Bowdoin College by recommendation of the Faculty have voted that in and after 1912 one year of study in a reputable college will be required for admission to the Medical Department, in which time particular attention shall be bestowed upon physics, chemistry, biology, and either French or German. It is advised that students take two years of college work along the same lines.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions, and in preparatory schools does not entitle a student to examination for advanced standing.

A student who has received the degree of A. B., B. S., or any similar degree after four years of study in a recognized college or technical school, if his studies have included a satisfactory amount of chemistry, physics and biology, may be admitted as a second year student, but when so admitted he shall not gain third year standing until he has passed satisfactory examinations in the studies of the first and second years. The faculty of this School are unanimously of the opinion that only under most exceptional conditions should this requirement be made available, and that practically a student ought not to enter upon the studies of the second year until he has passed satisfactory examinations in the studies of the first year.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch extends over two years and covers every portion of human anatomy with special reference to its application in the practice of medicine and surgery. The scope is so extensive as to require a number of instructors and a division of the work; but an attempt is made to harmonize the various divisions and enable students to spend their time to the best possible advantage. In the lecture room every part of human anatomy is taken up by systems as arranged in Gerrish's Text-Book. Some subjects are treated by lectures and many by demonstrations, but the greater part of the work consists of recitations and demonstration quizzes.

First year students study embryology, histology, osteology, arthrology and visceral anatomy, including the study of the cerebro-spinal axis and organs of the special senses. Second year work includes the remainder of systematic anatomy and relational anatomy. The class room work is made valuable by the

exhibition of dissected parts, models and casts; and from time to time students are required to present drawings of different organs. Considerable attention is also paid to surface anatomy, which is studied on the living model.

During the first year, every tissue and organ is studied microscopically in the histological laboratory and reproduced by free hand drawing. Late in the term, first year students dissect some of the higher vertebrates or such parts of human anatomy as are included in their work. In this way they not only reinforce their text book knowledge but acquire manual dexterity invaluable to them for the dissecting-room work of their second year. The instruction in embryology is given by means of lectures, demonstrations and quizzes.

The practical gross anatomy is taken up late in the second year after the entire subject of anatomy has been studied by systems in the class room. A period of six weeks is devoted to this work, during which time no other exercises are held for second year men in this or any other department and each student is required to dissect an entire lateral half of the human body.

At the end of the first year students are required to pass a written and an oral examination in the work of the year and to identify organs and tissues that they have studied, gross and microscopic. Second year students must pass a written and oral examination in the work of their year and identify the parts of the dissected human subject.

Before coming to the school students can do much to equip themselves for appreciation of human anatomy by making dissections of some lower animals and are advised to follow the directions prescribed in, ''Physiology Practicums'' (which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y.) or Davison's Mammalian Antaomy.

The Anatomical Museum is well supplied with wet and dry specimens, casts and models and a large number of disarticulated skeletons are provided which may be borrowed by the class.

PHYSIOLOGY.

Instruction in this department is conducted with reference to the practical application of the facts of human physiology to the needs of the student, in his study of the diagnosis and treatment of disease. Class room demonstrations and experimental laboratory teaching are employed, so far as they can be made to serve this purpose.

The instruction will be given by practical laboratory work, text book recitation and supplementary lectures.

The laboratory is fully equipped with the Harvard apparatus.

The work of the first year will be devoted to study by practical laboratory exercises, extending over half the term, of the functions of Nutrition. Special attention will be given to the physiology of nerve and muscle, of the Blood, including its microscopical study; Digestion and the phenomena and physics of the Circulation and Respiration. Students will be taught to demonstrate for themselves the essential facts connected with these functions.

Written reviews will be held from time to time besides regular quizzes upon both the didactic and laboratory work.

The work of the second year will be devoted to the study of Reproduction, the Nervous System, the Special Senses and the physiology of Voice and Speech.

The department is well equipped with charts, models and apparatus for demonstration and experimental work, admirably adapted to aid in giving students a thoroughly practical course in Physiology.

A laboratory fee of $2.00 will be charged, to defray cost of material, which must be paid in advance at the Dean's office before beginning the laboratory course. Students will furnish at their own cost necessary instruments for nerve-muscle dissection and will be charged extra with the cost of any injury to apparatus.

In connection with this course several hours will be devoted to the subject of Personal Hygiene.

CHEMISTRY.

The chemical courses extend over the first two years. They consist of lectures, conferences and laboratory work, occupying from five to nine hours per week for each class. As a knowledge of general inorganic chemistry is required for admission, first year men begin with the application of general chemistry to the qualitative analysis of simple substances. This is followed by the principles and practice of quantitative analysis, especially volumetric.

The examples used in analysis are selected with special reference to the work of a physician, and include water, air and the inorganic poisons. The analytical courses take the first half year.

The second half year with first year men is given to general organic chemistry, in which the structure, preparation and relation of structure to properties are illustrated in cases of the simpler compounds.

Second year students begin with a study of the more complex organic compounds related to medicine, such as the synthetic coal tar compounds, the alkaloids, ptomains and leucomains.

This is followed by physiological chemistry including analysis of urine and other secretions.

The aim is to make the chemical courses as practical as possible. To this end the student is taught to prepare many of the solutions and test substances, as well as to use them. He is taught also how to construct apparatus, manipulate glass tubing, etc. The facilities afforded by the Searles Science Building make it possible to do this to an unusual degree.

Students who have completed in other schools, courses of study equivalent to the above, may, upon examination, be excused from any of them.

Each student is required to pay in advance at the Dean's office a laboratory fee, covering the average cost of chemicals, gas and water. This is $3 for the first year men and $2 for second. In addition each will pay for apparatus broken or not returned at the end of the term.

OBSTETRICS

Instruction in this department will be given by lectures and recitations. The instructor in Obstetrics will demonstrate for the class, in sections, work on the manikin; the diagnosis of position and presentation, the mechanism of normal labor; the manœuvers necessary in the delivery of abnormal cases, version and application of forceps. Each member of the class will have a chance to perform these various manipulations.

It is hoped that an arrangement will be made whereby the city maternity cases will be at the disposal of the teachers, so clinical instruction may be given to the class in sections, and individual cases furnished for each member.

INTERNAL MEDICINE.

Instruction in this department continues throughout the third and fourth years. A large part of the third year is devoted mainly to the study of Diagnosis. The remaining weeks of the course include consideration of special diseases following the order usually found in standard text books. The fourth year comprehends the study of such special diseases as were not considered in the preceding year.

In connection with this department there will be given, as time affords, special and additional instruction relating to the conduct of life insurance examinations.

During both years class room instruction is given didactically and by means of regular recitations.

A clinic is held at the Maine General Hospital upon each Thursday morning from nine to eleven o'clock; the material being received from the wards of the hospital and occasionally from outside sources.

Care is taken to afford the students opportunites for personal examination of cases with the prominent object of having them become familiar with physical signs.

At the Maine Eye and Ear Infirmary the students of this school are offered the opportunity of attending the clinics as often and as frequently as time will allow them to do so. Cases may be seen here which pertain to internal medicine.

This department recognizes with that of Surgery our special indebtedness to the Staff of the Portland Charitable Dispensary in that it affords sections of our classes opportunities for clinical observation and physical exploration.

It is hoped that material of the City Hospital and patients out of the hospital, under the care of the City Physician, may be made available during the coming year.

PATHOLOGY AND BACTERIOLOGY.

The new, commodious and amply equipped laboratory in Seth Adams Hall gives excellent facilities for instruction in bacteriology and pathological histology. The course in clinical pathology is given in the laboratory at the school building in Portland.

Instruction is given by lectures, recitations and laboratory work. For convenience it is divided into four courses.

1. Bacteriology. This course is given to second year students and occupies fourteen hours a week from the beginning of the term until the Christmas recess. Each student is required to cultivate on media twelve varieties of pathogenic bacteria and to study their characteristics. Principles of disinfection are studied, and verified by experiment. A limited number of inoculation experiments are performed. Students make bacteriological examination of water and milk. Special attention is given to the laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

2. General Pathology, including Pathological Histology. This course is given to second year students. Instruction occupies fourteen hours each week, and lasts from January 1st to

April 1st. McFarland's text book is used as a basis for this course. The text book is supplemented by lectures on special subjects. As far as possible the consideration of a subject in the class room is followed by a study of the same subject in the laboratory. During the latter part of the course much time is given to diagnosis work upon microscopical preparations.

3. Blood Examination. This is a short course given to second year students during the last week in May and the first week in June. Students are trained in counting red and white corpuscles, in estimating the amount of hemogloblin, in preparing and examining fresh and stained specimens.

4. Clinical Pathology. This course is given to third year students. It includes instruction given as opportunity occurs at surgical clinics and autopsies, also a fifty-hour course at the school laboratory in Portland. In this course each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital. The Maine Eye and Ear Infirmary also furnishes pathological material and offers an opportunity for advanced students to do practical work in the laboratory of the Infirmary.

SURGERY.

The instruction in surgery is given by lectures, recitations, demonstrations, clinics, diagnosis exercises on the patient, and operations on the cadaver. It extends throughout the third and fourth years of the course, and in the highest possible degree is practical in character.

In the didactic course the recitation method is employed for the most part, as being particularly helpful to the students,—necessitating careful preparation of each lesson, allowing no essential point to be slighted, and stimulating pride by the certainty of each that his work will be compared with that of his fellows. But the lecture method is used whenever it seems serviceable, as in the introduction of new topics, the presentation of the salient features of unfamiliar subjects, and the explanation or amplification of matters not adequately treated in the text book.

The students perform a large variety of operations upon the cadaver, under the immediate direction and supervision of the teacher. The application of bandages and other dressings is taught in the most practical manner.

The principal clinical teaching is given at the Maine General Hospital by the six visiting surgeons, all of whom are professors, assistant professors, or clinical instructors in the School. Twice in each week some of these teachers hold exercises in diagnosis, in which the students are instructed in proper methods, and privileged to make personal examination of cases. Sections of the class are taken in turn through the wards, and are given opportunities for the observation of the after-treatment and progress of patients, upon whom they have seen operations performed. A system of notification by telephone enables the students to obtain prompt information of accident cases, which are brought into the Hospital. The amount of clinical material at this institution far exceeds the capacity of the classes to appropriate it without neglecting other and essential studies. The surgeons of the Portland Charitable Dispensary permit sections of the class to observe cases at their daily service—a privilege highly valued and constantly accepted, as the kind of diseases is largely different from those usually seen at the Hospital. The City Hospital, also, occasionally presents interesting and useful material.

MATERIA MEDICA AND THERAPEUTICS.

Instruction in this department is given during the third and fourth years.

In the third year the teaching is by lectures and quizzes. Special attention is given to the study of pharmacology, or the action of drugs; as it is only by a thorough knowledge of this part of the subject that medicines can be properly employed for the correction of the abnormal conditions found in disease.

Considerable time, every week, is devoted to prescription writing. By this exercise, students not only learn to write prescriptions correctly, but to make application of their knowledge of drugs in the treatment of disease. They are required to prescribe for supposed patients, a description of whose symptoms has been given to them. These prescriptions are put before the class for criticism and discussion, and have proved very useful in making their knowledge of drugs definite and practical.

In the fourth year the lectures and quizzes will be continued, and there will also be a recitation course in practical therapeutics. These courses supplement each other. In the course of Materia Medica we study individual drugs, and learn how they may modify certain conditions, which may be found in many different diseases. In the course on therapeutics, we study the symptoms of a given disease, and learn what different drugs we may employ to relieve them.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNÆCOLOGY.

The course in Diseases of Women will continue through the the third and fourth years. By a new arrangement, third year students will have work mainly didactic in character.

Dr. Willis Bean Moulton will in the fourth year conduct a course in the Pathology of Diseases of Women.

There will also be weekly clinics for fourth year students, at which the examination of female patients will be an important feature.

DISEASES OF CHILDREN.

Instruction will be given, as heretofore, by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class. During the past year, clinical opportunities have been furnished by the Children's Hospital, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, the Portland Charitable Dispensary, the Maine General Hospital, the Maine Eye and Ear Infirmary, the Maine School for the Deaf, and by the city physician of Portland and by other practitioners, from their private practice.

MENTAL DISEASES.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity with a view to the institution of treatment at the time when it is most productive of good results.

OPHTHALMOLOGY AND OTOLOGY.

The instruction in these departments wiil be given by lectures and clinics. A weekly clinic will be held at the Hospital on Saturday, at 8.30 A. M. The various diseases will be discribed as cases illustrating them are available for demonstration; operations will be performed when required; and other treatment applied as may be necessary.

Daily clinics are also held at the Portland Charitable Dispensary and the Maine Eye and Ear Infirmary, to which the students have access.

PUBLIC HYGIENE.

Instruction is given by the Professor of Physiology who is a member of the State Board of Health, by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health boards, in the management of infectious diseases.

NEUROLOGY.

Instruction in Neurology will be given to the fourth class each week throughout the course by lectures, clinics and quizzes, two hours of each week being devoted to such instruction.

GENITO-URINARY SURGERY.

Instruction in Genito-Urinary Surgery will be given to the fourth class each week during the first half of the course.

DERMATOLOGY.

Instruction in Dermatology will be given to the third year class each week during the first twenty-four weeks.

ORTHOPEDIC SURGERY.

A clinic in Orthopedic Surgery will be held at the Hospital on each Friday morning at 9 A. M.

DISEASES OF THE NOSE AND THROAT.

The fourth class will receive special instruction, both didactic and clinical in Diseases of the Nose and Throat, weekly throughout the course.

SCHEDULE FOR THE FIRST YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY		8—11		8—11	8—11	
CHEMISTRY	2.30—5.30		2.30—5.30		2.30—5.30	
PHYSIOLOGY AND PERSONAL HYGIENE			8—11			8—11
HISTOLOGY	8—11					
April 5—May 18 ANATOMY (Dissecting)		11—12 1.30—5.30		8—11 1.30—5.30		1.30—5.30

SCHEDULE FOR THE SECOND YEAR

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ANATOMY		8—9			8—9	
CHEMISTRY		10—12		10—12		
PHYSIOLOGY	Jan. and Feb. 8—11		8—11			8—11
PATHOLOGY AND BACTERIOLOGY	2.00—5.30	2.00—5.30	2.00—5.30		2.00—5.30	
April 5—May 18 ANATOMY (Dissecting)	8—11.30 1.30—5.30	8—11 30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30

SCHEDULE FOR THE THIRD YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	3.30—4.30*			9—11C 4.30—5.30	3.30—4.30	
SURGERY	8—9B 10—12C	10—12C	8—9B 10—12C	8—9B 10—12C	10—12C	10—1C
MATERIA MEDICA AND THERAPEUTICS	9—10A		2—3A		9—10A	
OPHTHALMOLOGY AND OTOLOGY						8.30—10
GYNECOLOGY			9—10B			
CLINICAL PATHOLOGY After April 5		2—5		2—5		
OBSTETRICS	10—11B	8—9Ax			10—11	
DERMATOLOGY Twenty-four weeks			8—9			

A Lecture room on first floor. B Lecture room on second floor. C Clinic. x Quiz. *Every alternate week.

SCHEDULE FOR THE FOURTH YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	2—3A 3.30—4.30*			9—11C	2—3A	
SURGERY	10—11C	8—9B	10—12D	11—12D	8—9B 11—12C	10—1C
MATERIA MEDICA AND THERAPEUTICS		2—3B		2—3A		
MEDICAL JURISPRUDENCE	Hours of instruction to be hereafter announced.					
PUBLIC HYGIENE	Hours of instruction to be hereafter announced.					
GYNECOLOGY		10—12D				
MENTAL DISEASES	Hours of instruction to be hereafter announced.					

SCHEDULE FOR THE FOURTH YEAR—Continued

OPHTHALMOLOGY AND OTOLOGY	8—9A					8.30—10C
DISEASES OF CHILDREN**	9—10A			12—1A		
GENITO-URINARY DISEASES First half term				8—9A		
NEUROLOGY	12—1A				12—1A	
ORTHOPEDICS					9—11C	
LARYNGOLOGY AND RHINOLOGY			12—1			

A Lecture room on first floor. B Lecture room on second floor. C Clinic. D Diagnosis exercise.
x Quiz. * Every alternate week. ** Clinical work aggregating one hour per week.

THE LIBRARY.

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 90,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room in the main library building for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT BOOKS.

ANATOMY—Gerrish. For reference, Cunningham, Piersol, Quain. Applied Anatomy, Bardeleben. For use in Histological Laboratory, Ferguson.

PHYSIOLOGY—For recitation work, Brubaker's Text Book of Physiology. For reference, Landois. Howell's "American Text Book of Physiology." For Laboratory, Hall's "Experimental Physiology." For reference, Porter's "Introduction to Physiology" and Sterling's "Practical Physiology."

CHEMISTRY—Rockwood's Chemical Analysis for Medical Students, and Physiological Chemistry. For reference, Simon, Remsen, Ogden Holland. For use in laboratory, Robinson's Qualitative Chemical Analysis.

PUBLIC HYGIENE—For reference, Harrington, Coplin and Bevan, Parke's "Practical Hygiene," Abbott's "Hygiene of the Transmissible Diseases."

MATERIA MEDICA AND THERAPEUTICS—For recitation work, Hare. For reference, White and Wilcox, H. C. Wood, Cushney, Stevens.

PRACTICE OF MEDICINE—Osler, Hare, Tyson. For reference, Strumpell, Loomis and Thompson's System of Practical Medicine.

DIAGNOSTIC METHODS—Sahli.

PHYSICAL DIAGNOSIS—Dacosta, Cabot, Greene.

BACTERIOLOGY—For reference, Abbott, McFarland, Park, Williams.

PATHOLOGY—For recitation, McFarland. For reference, Adami, Ziegler, Delafield and Pruden, Coplin, Green.

CLINICAL PATHOLOGY—For reference, Mallory and Wright, Lenhartz-Brooks, Wood, Stett, Todd.

SURGERY—For recitation, Brewer. For reference, Park. Minor surgery, Foote. Surgical Pathology, Warren. Surgical diagnosis, Berg. Applied Surgical Anatomy, Woolsey. Operative Surgery, Binnie, Bickham.

OBSTETRICS—Williams, Webster, Edgar, Hirst, Reynolds and Newell.

DISEASES OF WOMEN—Dudley, Penrose, Reed, Kelley 2 vols.

DISEASES OF CHILDREN—Holt, Rotch, Williams.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

DISEASES OF THE EAR—Bacon, Field.

NEUROLOGY—Dana, Church, Peterson, Starr.

DERMATOLOGY—Van Harlingen's Diseases of the Skin. Shamberg's Diseases of the Skin.

ORTHOPEDIC SURGERY—Bradford and Lovett.

GENITO-URINARY SURGERY—Casper, Morton, Ballenger.

NOSE AND THROAT—Bishop, Knight, Kyle, Ballinger. For reference, L. Brown.

DICTIONARIES--Dorland Illustrated, Gould, Dunglison.

CALENDAR.

1909.

21 October—Thursday. Entrance Examinations: for first year students, at nine o'clock, A. M., in Brunswick.

22 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year in Brunswick. in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

23 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing for third year, in Portland, in Anatomy at nine o'clock, A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 22d and 23d at hours to be hereafter appointed.

Thanksgiving Recess from Wednesday, November 24, 1.30 P. M. to 8.00 A. M., Monday, November 29.

Recess from 4.30 P. M., Wednesday, December 22, to 8.00 A. M., Monday, January 3.

1910.

22 February—Tuesday, Washington's Birthday. Holiday. No exercises.

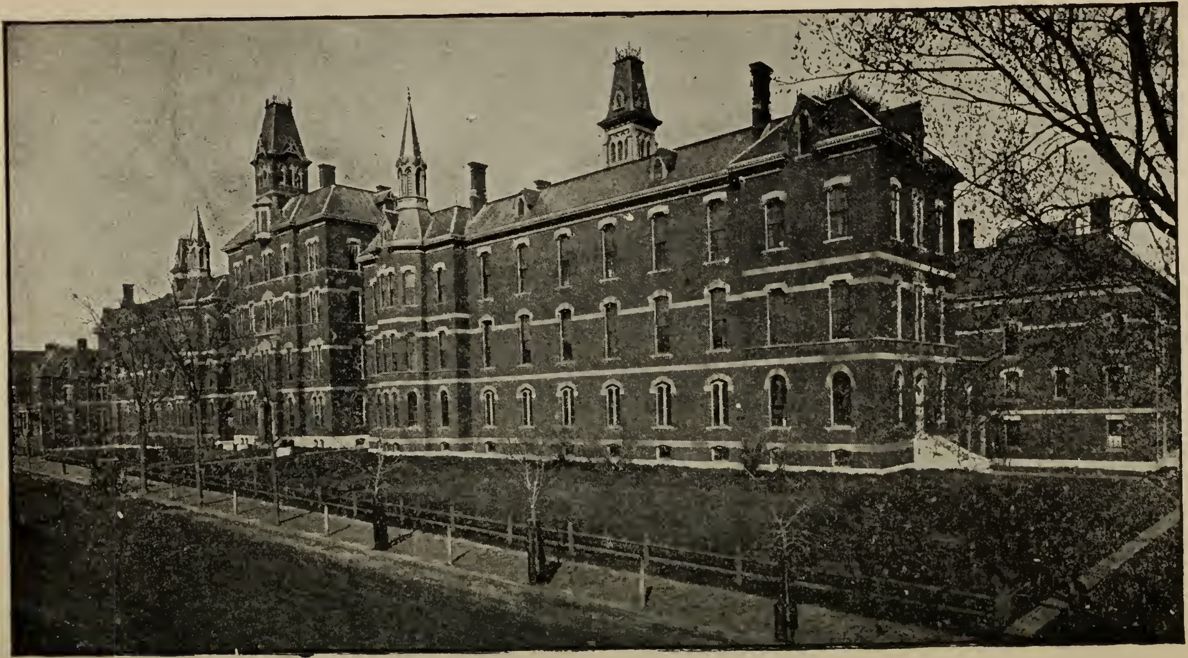
April—Recess from noon of Saturday, March 26, to morning of Tuesday, April 5.

30 May—Monday, Memorial Day. Holiday. No exercises.

8 to 22 June—Examinations. Wednesday to Wednesday of second week.

22 June—Wednesday. Commencement.

Summer vacation, seventeen weeks.



THE MAINE GENERAL HOSPITAL, PORTLAND

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NEW SERIES NUMBER 31

BOWDOIN COLLEGE BULLETIN

MEDICAL DEPARTMENT NUMBER

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1910 1911

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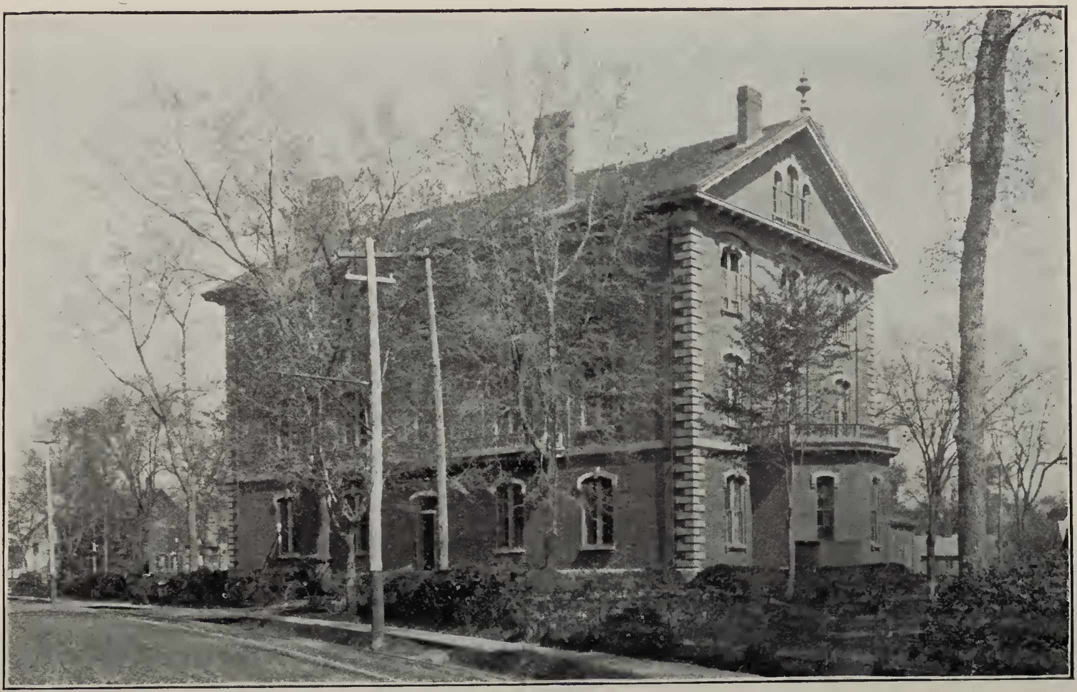

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THE MEDICAL DEPARTMENT
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FOR THE NINETY-FIRST YEAR

1910 1911

BRUNSWICK, - MAINE
PRINTED FOR THE COLLEGE, MDCCCCX

PRESS OF THE BRUNSWICK RECORD
BRUNSWICK, MAINE

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GILBERT MOLLESON ELLIOTT, A.M., M.D, *Demonstrator of Anatomy.* 152 Maine Street, Brunswick.

RICHARD DRESSER SMALL, A.B., M.D., *Instructor in Obstetrics.* 139 Park Street, Portland.

HERBERT FRANCIS TWITCHELL, M.D., *Instructor in Clinical Surgery.* 10 Pine Street, Portland.

ARTHUR SCOTT GILSON, M.D., *Instructor in Clinical Surgery.* 117 State Street, Portland.

WILLIAM LEWIS COUSINS, M.D., *Instructor in Clinical Surgery.* 181 State Street, Portland.

JAMES ALFRED SPALDING, A.M., M.D, *Clinical Instructor in Ophthalmology and Otology.* 627 Congress Street, Portland.

GILMAN DAVIS, M.D., *Instructor in Diseases of the Nose and Throat.* 657 Congress Street, Portland.

JAMES EDWARD KEATING, A.B., M.D., *Instructor in Internal Medicine.* 599 Congress Street, Portland.

WALLACE WADSWORTH DYSON, M.D, *Instructor and Assistant Demonstrator in Anatomy.* 18 Deering Street, Portland.

WILLIS BEAN MOULTON, A.B., M.D., *Instructor in Diseases of Women.* 622 Congress Street, Portland.

FRED PATTERSON WEBSTER, A.B., M.D., *Instructor in Diseases of Children.* 12 Pine Street, Portland.

EDWIN WAGNER GEHRING, B.S., M.D., *Instructor in Physiology.* 690 Congress Street, Portland.

LOUIS ANDREW DERRY, A.B., M.D., *Instructor in Materia Medica, Pharmacology and Therapeutics.* 261 Congress Street, Portland.

CHARLES LANGMAID CRAGIN, M.D., *Assistant Demonstrator of Anatomy.* 929A Congress Street, Portland.

PHILIP PICKERING THOMPSON, A.B., M.D., *Assistant Demonstrator of Anatomy.* 704 Congress Street, Portland.

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Y. M. C. A. Building, Portland.

ALFRED WILLIAM HASKELL, M.D., *Clinical Assistant in Surgery.*
660 Congress Street, Portland.

ERNEST WOODBURY FILES, A.B., M.D., *Clinical Assistant in Medicine.*
545 Deering Avenue, Portland.

FRANCIS JOSEPH WELCH, A.B., M.D., *Clinical Assistant in Medicine.*
359 Congress Street, Portland.

HAROLD ASHTON PINGREE, M.D., *Clinical Assistant in Orthopedics.*
156 Free Street, Portland.

FRANCIS WILSON LAMB, M.D., *Clinical Assistant in Orthopedics.*
156 Free Street, Portland.

JOSEPH BLAKE DRUMMOND, A.B., M.D., *Assistant Demonstrator in Histology.*
105 Elwell Street, Portland.

ERASTUS EUGENE HOLT, JR., A.B., M.D., *Assistant Demonstrator in Histology.*
723 Congress St., Portland.

FRANK CARADOC EVANS, A.B., *Assistant in Chemistry.*
Brunswick, Me.

GEORGE THOMAS LITTLE, LITT.D., *Librarian.*
8 College Street, Brunswick.

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DANIEL ARTHUR ROBINSON, A.M., M.D., *from the Board of Overseers.*

ERNEST BOYEN YOUNG, A.B., M.D., *from the Board of Overseers.*

GRADUATES OF 1910.

Percy Hobbs Abbott	Waterboro
Harry Edward Anderson	South Limington
Elmer Jonathan Brown	Strong
Hannibal Hamlin Bryant, Jr., A.B.	Waterville
Lester Warren Carpenter	North Waterboro
Charles Fuller Deering	Winslow's Mills
Joseph Blake Drummond, A.B.	Portland
William Joseph Fahey	Lewiston
Leo Frederick Hall	Augusta
Erastus Eugene Holt, Jr., A.B.	Portland
Ernest Davis Humphreys	Henderson
Adam Phillips Leighton, Jr	Portland
Frank Mikelsky Mikels, A.B	Brunswick
James Atwood Crowell Milliken	New Bedford, Mass.
Christian Vilhelm Ostergren, A.B	Stockholm, Sweden
Blinn Whittemore Russell, A.B.	Farmington
Charles Francis Traynor	Biddeford
Ricardo Geronimo Valladares	Santa Clara, Cuba
Merlon Ardeen Webber, A.B.	Fairfield
Millard Carroll Webber, A.B.	Fairfield

STUDENTS IN 1909-10.

FOURTH YEAR.

Name	Residence	Room
Abbott, Percy Hobbs	*Waterboro*	*174 Neal St.
Anderson, Harry Edward	*South Limington*	85 Spring St.
Brown, Elmer Jonathan	*Strong*	302 Brackett St.
Bryant, Hannibal Hamlin, Jr. A.B.	*Waterville*	22 Charles St.
Carpenter, Lester Warren	*North Waterboro*	103 Congress St.
Deering, Charles Fuller	*Winslow's Mills*	22 Charles St.
Drummond, Joseph Blake, A.B	*Portland*	105 Elwell St.
Fahey, William Joseph	*Lewiston*	174 Neal St.
Hall, Leo Frederick	*Augusta*	174 Neal St.
Holt, Erastus Eugene, Jr., A.B	*Portland*	723 Congress St.
Humphreys, Ernest Davis	*Henderson*	22 Charles St.
Leighton, Adam Phillips, Jr	*Portland*	261 Western Promenade
Mikels, Frank Mikelsky, A.B	*Brunswick*	14 Wescott St.
Milliken, James Atwood Crowell	*New Bedford, Mass.*	768 Congress St.
Ostergren, Christian Vilhelm, A.B	*Stockholm, Sweden*	22 Charles St.
Russell, Blinn Whittemore, A.B	*Farmington*	302 Brackett St.
Traynor, Charles Francis	*Biddeford*	20 Bramhall St.
Valladares, Ricardo Geronimo	*Santa Clara, Cuba*	31 Ellsworth St.
Webber, Merlon Ardeen, A.B	*Fairfield*	14 Wescott St.
Webber, Millard Carroll, A.B	*Fairfield*	14 Wescott St.

THIRD YEAR.

Name	Residence	Room
Baldwin, Albert Kilburn, A.B	*Brunswick*	*24 Arsenal St.
Clement, James Donald	*Belfast*	14 Charles St.
Dolley, Frank Stephen, A.B	*Brunswick*	St. Barnabas Hospital
Jackson, Elmer Herbert	*Jefferson*	807 Congress St.
Long, Paul Raymond	*Parsonsfield*	19 Ellsworth St.
Nason, Charles Jewell	*Hampden*	19 Ellsworth St.
Stanwood, Harold William, A.B	*Rumford*	807 Congress St.

*The rooms of Third and Fourth Year students are in Portland unless otherwise stated.

Name	Residence	Room
Stevens, Carl Hervey	*Northport*	662 Congress St.
Taylor, Cornelius John	*Bangor*	807 Congress St.
Thewlis, Malford Wilcox	*Providence, R. I.*	662 Congress St.
Webster, Francis Howe	*Castine*	19 Deering Ave.
Wharton, Charles Green, B.S.	*Tulare, Cal*	14 Charles St.
Wilson, Charles Moore	*Waterford*	568 Congress St.
Wollin, Gustaf Fritz Robert	*Ystad, Sweden*	1 Deering Pl.

SECOND YEAR.

Name	Residence	Room
Bennett, Roland Joseph	*Dover, N. H.*	1 High St.
Brown, Freeman Fletcher	*Vinalhaven*	1 High St.
Buck, George Henry, A.B.	*Harrison*	6 Cleaveland St.
Dunn, Archibald Wallace	*Auburn*	Ψ. Υ. House
Fogg, Neil Augustus	*Freeport*	Freeport
Hammond, Walter Jean, A.B.	*Howland*	6 Cleaveland St.
Hendee, Walter Whitman	*Augusta*	23 Noble St.
Jackson, Sumner Waldron, A.B.	*Waldoboro*	102 Union St.
Johnson, Henry Lincoln	*Brunswick*	44 Union St.
Lente, Harry Hallock	*Franklin, Mass.*	6 Cleaveland St.
Merrill, Clyde Harold	*Auburn*	12 Pleasant St.
Pratt, Harold Sewall, A.B.	*Farmington*	1 Maine Hall
Rosen, William	*New Bedford.Mass*	59 Harpswell St.
Scamman, Clarence Linwood	*Hartland*	102 Union St.
Stanley, Oramel Henry, A.B.	*Fryeburg*	6 Cleaveland St.

FIRST YEAR

Name	Residence	Room
Arey, Harold Carlton, A.B.	*Camden*	30 Cumberland St.
Bridge, Ezra Ralph, A.B.	*Brunswick*	10 Harpswell Pl.
Buck, Wallace Ezra	*Portland*	9 McLellan St.
Coombs, Wyern Almon	*Vinalhaven*	16 Lincoln St.
Echols, Francis Sherman	*Hartford Conn*	254 Maine St.
Gordon, Isaac Louis	*Lincoln*	17 Elm St.
Gould, Carlisle Royal	*Somersworth, N.H.*	30Cumberland St.
Hanscom, Ridgley Fernald	*New London, Conn.*	32 Pleasant St.
Lafleche, Renie Ricker	*Caribou*	30 Cumberland St.
Lippincott, Leon Stanley	*Augusta*	23 Winthrop Hall
McGilvery, Wilfred Nichols	*Lewiston*	10 Cleaveland St.

Name	Residence	Room
McNeil, Henry Daniel	*Bangor*	234 Maine St.
Moulton, Albert Willis, A. B.	*Portland*	19 Winthrop Hall
Nelson, Chesley Wilbur, A. B.	*West Southport*	7 Everett St.
Paine, Edward Warren	*Winslow*	30 Cumberland St.
Roberts, Edward Russell	*Portland*	38 College St.
Ross, Harold Danforth	*Phillips*	16 Lincoln St.
Scribner, Herbert Charles	*Bangor*	234 Maine St.
Sullivan, Philip Sheridan	*Biddeford*	30 Cumberland St.
Trickey, Winfield Benjamin	*East Corinth*	9 McLellan St.
Walker, Francis David	*Waterville*	59 Harpswell St.
Winslow, Everett Stevens	*Portland*	38 College St.
Witherell, Harry David	*Cornish, N. H.*	102 Union St.
Woodman, Samuel Lee	*Winthrop*	59 Harpswell St.

SUMMARY.

FOURTH YEAR	20
THIRD YEAR	14
SECOND YEAR	15
FIRST YEAR	24
TOTAL	73

ANNOUNCEMENT.

The Medical School of Maine, established by the first Legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of thirty-six weeks each. The studies are distributed through the curriculum according to the following schedule:

First Year: Anatomy, Embryology, Histology, Physiology, Chemistry, Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica, Pharmacology and Therapeutics, Diseases of Women, Obstetrics, Diseases of the Skin.

Fourth Year: Internal Medicine, Surgery, Materia Medica, Pharmacology and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Neurology and Mental Diseases, Clinical instruction in Diseases of the Skin, Diseases of the Genito-Urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Joints, Diseases of the Nose and Throat.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third and fourth year classes are taught in Portland on account of the superior clinical advantages afforded in that city. The building designed for the use of the school and now occupied by it furnishes ample accommodations for the advanced classes. The location of the building is on Chadwick Street, near the Maine General Hospital, in which institution nearly all the teachers in the school are medical or surgical officers and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the book) is the chief source of supply of clinical material for the school, Portland has a number of institutions, such as the Maine Eye and Ear Infirmary, the Children's Hospital, the Portland Charitable Dispensary, Portland Tuberculosis Class, Female Orphan Asylum, St. Elizabeth's Orphan Asylum, the Holy Innocents Home, the Maine School for the Deaf, which will contribute to the bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The ninety-first annual course will begin on Thursday, the 13th of October, 1910, and will continue thirty-six weeks.

Examinations for admission to the school will be held at nine o'clock on the morning of the first day, Thursday the 13th of October, in Brunswick.

Final examinations for each class will be held in the period from the 7th to the 21st of June, 1911, inclusive

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick on Friday, the 14th of October. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year

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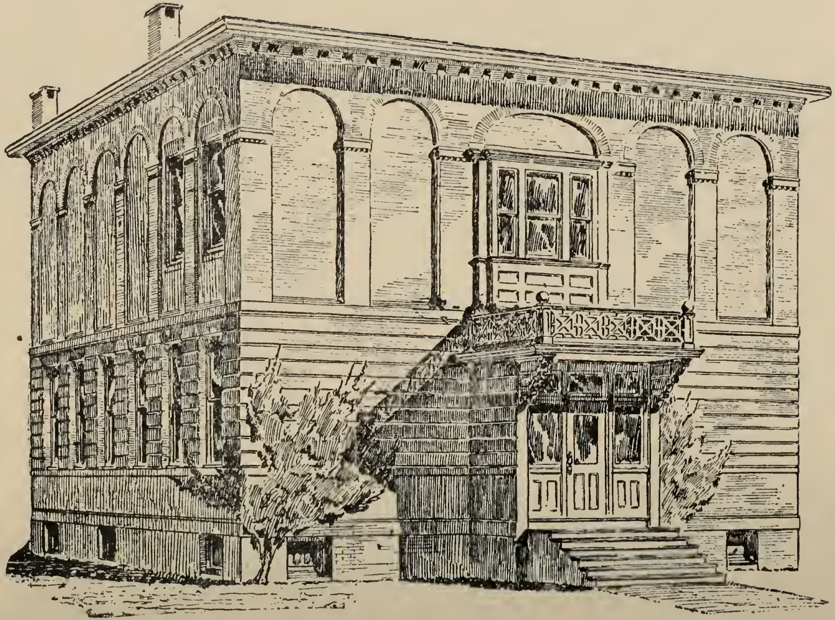
*The electric cars (Spring Street line—blue) run on Vaughan Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk and Rochester railway stations.



SCHOOL BUILDING, PORTLAND

will be held in Portland on Saturday, October 15th. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 14th and 15th, at hours to be hereafter appointed.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Dean.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work, will be warned of his deficiency from time to time, before the end of the term.

An examination which is not complete receives no consideration.

The systematic courses of instruction will begin on Monday morning, the 17th of October.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office of the medical building for the same purposes. Dr. Charles D. Smith will act as deputy dean.

EXPENSES.

For Instructions: In each of the required four years $100. This shall be paid promptly one-half at the opening of the course and the balance at the beginning of the second half of the course.

For Examinations: Payable at the close of the term of instruction,

In Anatomy	$5.00
In Physiology	5.00
In Chemistry	5.00
In Bacteriology and Pathology	5.00
In Obstetrics	5.00

These five fees are credited on the diploma or graduation fee.

For every re-examination in any of the departments in any year, $3.00. This fee is not credited on the diploma fee.

For examination or re-examination in any branch, at a time not regularly appointed, a fee of $5.00 must be paid in addition to the prescribed fee for that examination.

Miscellaneous: The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $3.00 for first course, $2.00 for second course, payable in advance at the Dean's office.

For materials used in the physiological laboratory, $2.00 for first course, $1.00 for second course, payable in advance at the Dean's office.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

Furnished rooms can be obtained at a rental of from $1.50 to $2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from $3.00 to $4.00 a week.

The cost of living in Portland has been found to be not in excess of that at Brunswick.

$15 to $25 a year covers the cost of books.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

REQUIREMENTS FOR ADMISSION.

Requirements for admission to the first year are those of the Association of American Medical Colleges, with the exception that one year of Chemistry is specifically required.

Section 1. (a) A bachelor's degree from an approved college or university, or (b) or (c).

(b) A diploma from an accredited high school, normal school, or academy requiring for admission evidence of the completion of an eight-year course in primary, and intermediate grades, and for graduation not less than four years of study embracing not less than two years (4 points) of foreign languages, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

(c) An examination in the following branches: A. Required (18 points); Mathematics (4 points); English (4 points); history (2 points); language (4 points—2 must be Latin); science (taken from physics, chemistry botany, zoölogy, 4 points). B. Optional (to 12 points); English (2 points); history (6 points); language (6 points); manual training (2 points); mechanical drawing (1 point); natural science (botany, zoölogy, 2 points); physical science (chemistry, physics, 2 points); trigonometry (1 point); astronomy (1); civics (1); geology (1); physical geography (1); physiology and hygiene (1); political economy (1)—not more that 3 points accepted.

(One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes each for eighteen weeks).

(d) Certificates from reputable instructors recognized by the superintendents hereinafter to be mentioned, or by any state board of medical examiners duly authorized by law, may be accepted in lieu of any part of this examination.

Section 2. This examination will be conducted by the Superintendent of Schools of Brunswick and Topsham, John Albert Cone, A.B. It will be recognized that the appointment of the examiner is in accordance with the requirements of the Association of American Medical Colleges.

Section 3. A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examination before he is allowed to enter on the second year of his medical course.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which

admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

Students in the Senior Class of the Academic department are permitted to take the studies of the first year in the Medical department and thus are eligible for the first year final Medical examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination.

The Boards of Trustees and Overseers of Bowdoin College by recommendation of the Faculty have voted that in and after 1912 one year of study in a reputable college will be required for admission to the Medical Department, in which time particular attention shall be bestowed upon physics, chemistry, biology, and either French or German. It is advised that students take two years of college work along the same lines.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions, and in preparatory schools does not entitle a student to examinations for advanced standing.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowlege of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

ANATOMY.

The course in this branch extends over two years and covers every portion of human anatomy with special reference to its application in the practice of medicine and surgery. The scope is so extensive as to require a number of instructors and a division of the work; but an attempt is made to harmonize the various divisions and enable students to spend their time to the best possible advantage. In the class room every part of human anatomy is taken up by systems as arranged in Gerrish's Text-Book. Some subjects are treated by lectures and many by demonstrations, but the greater part of the work consists of recitations and demonstration quizzes.

First year students study embryology, histology, osteology, arthrology and visceral anatomy, including the study of the cerebro-spinal axis and organs of the special senses. Second year work includes the remainder of systematic anatomy and relational anatomy. The class-room work is made valuable by the exhibition and demonstration of dissected parts, models and casts; and from time to time students are required to present drawings of different organs. Considerable attention is also paid to surface anatomy, which is studied on the living model. The total number of hours devoted to class-room work in gross anatomy in two years' time is one hundred and seventy-four, including thirty hours of osteology.

During the first half of the first year the different tissues and organs are studied microscopically in the histological laboratory and reproduced by free hand drawing. One hundred and thirty five hours are devoted to histology, thirty being didactic in character, the remainder laboratory work. Embryology is studied during the second half of the first year. Forty-five hours are devoted to labortory work; thirty hours to lectures, recitations and quizzes.

First year students devote one hundred and thirty-five hours to practical anatomy and dissect at least one part of the cadaver. Second year students dissect in the second half term and spend two hundred and seventy hours in the anatomical laboratory. For this purpose a period of six weeks is reserved, during which they devote their entire time to practical anatomy and are required to dissect and demonstrate at least a complete lateral half of the human body. The supply of dissecting material is adequate and the methods and facilities for preparing and preserving it are modern and of the best.

The Anatomical Museum contains a large number of dry preparations, specimens, casts and models, including Auzoux's complete model of a man, the gift of Hon. John Fremont Hill, Ex-Governor of the State of Maine and an alumnus of 1877. The museum is rich in osteological material and disarticulated skeletons are loaned to the students of the first year, remaining in their possession until the end of the term.

At the end of each year, students are required to pass a written and an oral examination. Practical examinations in the identification of gross and microscopic structures are held in the laboratories.

PHYSIOLOGY.

Instruction in this department is conducted with reference to the practical application of the facts of human physiology to the needs of the student, in his study of the diagnosis and treatment of disease. Class-room demonstrations and experimental laboratory teaching are employed, so far as they can be made to serve this purpose.

The instruction will be given by practical laboratory work, text-book recitation and supplementary lectures.

The laboratory is fully equipped with the Harvard apparatus.

The work of the first year will be devoted to study by recitation, and by practical laboratory exercises, extending over half the term, of the functions of Nutrition. Special attention will be given to the physiology of nerve and muscle, of the Blood, including its microscopical study, Digestion and the phenomena and physics of the Circulation and Respiration. Students will be taught to demonstrate for themselves the essential facts connected with these functions.

Written reviews will be held from time to time besides regular quizzes upon both the didactic and laboratory work.

The work of the second year will be devoted to the study of Reproduction, the Nervous System, the Special Senses and the physiology of Voice and Speech.

The department is well equipped with charts, models and apparatus for demonstration and experimental work, admirably adapted to aid in giving students a thoroughly practical course in Physiology. There will be not less than seventy-five hours devoted to experimental and demonstration work in laboratories.

A laboratory fee of $2.00 will be charged, to defray cost of material, which must be paid in advance at the Dean's office before beginning the laboratory course. Students will furnish at their own cost necessary instruments for nerve-muscle dissection and will be charged extra with the cost of any injury to apparatus.

CHEMISTRY.

The chemical courses extend over the first two years. They consist of lectures and laboratory work occupying from five to nine hours per week for each class. As a knowledge of general inorganic chemistry is required for admission, first year men begin with the application of general chemistry to the qualitative analysis of simple substances. The work is mainly in the laboratory, the book used being Tower's "Qualitative Chemical Analysis." This is followed by the principles and practice of quantitative analysis, especially volumetric. Particular attention is paid to the preparation of solutions of definite strength and to the computation of results. The analytical courses take the first half year.

The second half year with the first year men is given to general organic chemistry. Attention is given to the important classes into which organic compounds are divided and to properties and reactions common to the whole class, rather than to specific compounds and special reactions. The compounds chosen to illustrate each class are as far as possible those of importance to the physician. The course is given mainly by lectures with some laboratory work in the preparation of certain organic compounds. The book used is Moore's "Outlines of Organic Chemistry."

The second year men begin with physiological chemistry using Hawk's "Practical Physiological Chemistry." The work is mainly in the laboratory, supplemented by assigned readings and quizzes. This is followed by urinary analysis, the analysis of foods, detection of poisons, and the analysis of drugs and medicines.

The aim is to make the chemical courses as practical as possible. To this end the student is taught how to construct apparatus and prepare reagents as well as use them. Particular attention is given also to the literature so that a man may become familiar with the standard works of reference in each dedepartment. The facilities afforded by the Searles Science Building make it possible to do this to an unusual degree.

Students who have completed in other schools courses of instruction equivalent to the above may, upon examination, be excused from any of them.

Each student is required to pay in advance at the Dean's office a laboratory fee, covering the average cost of chemicals, gas, and water. This is $3.00 for the first year men and $2.00 for the second. In addition each will pay for apparatus broken or not returned at the end of the term.

OBSTETRICS.

Instruction in this department will be given by lectures and recitations. The instructor in Obstetrics will demonstrate for the class, in sections, work on the manikin; the diagnosis of position and presentation, the mechanism of normal labor; the manœuvers necessary in the delivery of abmormal cases, version and application of forceps. Each member of the class will have a chance to perform these various manipulations.

During the past year clinics were held at the Maine General Hospital, the Eye and Ear Infirmary and the City Hospital. Through the courtesy of the City Physician and other practitioners all the students were granted the opportunity of assisting at individual cases.

INTERNAL MEDICINE.

Instruction in this department continues throughout the third and fourth years. The whole of the third year is devoted mainly to the study of Diagnosis. The remaining weeks of the course include consideration of special diseases following the order usually found in standard text books. The fourth year comprehends the study of special diseases.

During both years class room instruction is given didactically and by means of regular recitations.

Clinics are held at the Maine General Hospital and at the Portland Charitable Dispensary upon Mondays, Tuesdays, Wednesdays, Thursdays and Fridays.

Care is taken to afford the students opportunities for personal examination of cases with the prominent object of having them become familiar with physical signs.

At the Maine Eye and Ear Infirmary the students of this school are offered the opportunity of attending the clinics as often and as frequently as time will allow them to do so. Cases may be seen here which pertain to internal medicine.

Excellent opportunities for physical examination of the lungs are afforded to sections of the senior class each week at the Portland Tuberculosis Class.

It is hoped that material of the City Hospital and patients out of the hospital, under the care of the City Physician, may be made available during the coming year.

PATHOLOGY, BACTERIOLOGY AND HYGIENE.

Instruction in this department is given during the first, second and third years by lectures, recitations, demonstrations and laboratory work. Laboratory courses of the first and second years are given in the pathological laboratory in Seth Adams Hall. The course in clinical pathology is given in the laboratory at the school building in Portland and at the laboratories of the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Portland Charitable Dispensary.

Instruction is divided into five courses.

1. Hygiene. This course is given to first year students during the last half of the year, and occupies five hours a week for nine weeks. Eighteen of the hours are didactic and twenty-seven are laboratory hours. The laboratory work includes an introduction to bacteriology, microscopic study of foods, practical disinfection, and routine examination of water and milk.

2. Bacteriology. This course is given to second year students and occupies fourteen hours a week from the beginning of the term until the Christmas recess. Students are required to prepare most of the solutions and media used in this course. Each student is required to cultivate upon media twelve varieties of pathogenic bacteria and to study their characteristics. Animal inoculations and autopsies are performed by the stu-

dents. Special attention is given to the laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

3. General Pathology, including Pathological Histology. This course is given to second year students. Instruction occupies fourteen hours each week and lasts from January 2d to the April recess. McFarland's text-book is used as a basis for this course. The text-book is supplemented by lectures on special subjects. As far as possible the consideration of a subject in the class room is followed by a study of the same subject in the laboratory. During the latter part of the course much time is given to diagnosis work upon microscopical preparations.

4. Blood Examination. This is a short course given to second year students during the last week in May and the first week in June. Students are trained in counting the red and white corpuscles, in estimating the amount of hemoglobin, in preparing and examining fresh and stained specimens.

5. Clinical Pathology. This course is given to third year students. It includes instruction given as opportunity occurs at surgical clinics and autopsies and a forty-five hour course at the school laboratory in Portland. In this course each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Portland Charitable Dispensary. Whenever possible, students are required to obtain thematerial from the patients.

Arrangements have been made with Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Portland Charitable Dispensary for third year students to do pathological work in these institutions. Regular assignments are made and reports of work done required. By arrangement with the physicians in charge special attention is given to the clinical side of this work.

The course in Clinical Pathology occupies at least ninety hours. Of these only forty-five are scheduled.

SURGERY.

The instruction in surgery is given by lectures, recitations, demonstrations, clinics, diagnosis exercises on the patient, and operations on the cadaver. It extends throughout the third and fourth years of the course, and in the highest possible degree is practical in character.

In the didactic course the recitation method is employed for the most part, as being particularly helpful to the students,— necessitating careful preparation of each lesson, allowing no essential point to be slighted, and stimulating pride by the certainty of each that his work will be compared with that of his fellows. But the lecture method is used whenever it seems serviceable, as in the introduction of new topics, the presentation of the salient features of unfamiliar subjects, and the explanation or amplification of matters not adequately treated in the text-book.

The students perform a large variety of operations upon the cadaver, under the immediate direction and supervision of the teacher. The application of bandages and other dressings is taught in the most practical manner.

The principal clinical teaching is given at the Maine General Hospital by the six visiting surgeons, all of whom are professors, assistant professors, or clinical instructors in the School. Twice in each week some of these teachers hold exercises in diagnosis, in which the students are instructed in proper methods, and privileged to make personal examination of cases. Sections of the class are taken in turn through the wards, and are given opportunities for the observation of the after-treatment and progress of patients upon whom they have seen operations performed. A system of notification by telephone enables the students to obtain prompt information of accident cases, which are brought into the Hospital. The amount of clinical material at this institution far exceeds the capacity of the classes to appropriate it without neglecting other and essential studies. The surgeons of the Portland Charitable Dispensary permit sections of the class to observe cases at their daily service—a privilege highly valued and constantly accepted, as the kind of diseases is largely different from those usually seen at the Hospital. The City Hospital also occasionally presents interesting and useful material.

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS.

Instruction in this department is as follows:

In the first half of the third year, there is a recitation course in Pharmacology. This gives the student a general idea of the action of the more important drugs. During the first half of this year a laboratory course of sixty hours is given. In this, is taken up Botany, Plant Chemistry, the manufacture of pharmaceutical preparations and the study of incompatibles.

The last three-fourths of the laboratory course will be devoted to experimental pharmaco-dynamics. The students will perform experiments, either individually or in groups, upon living animals. These experiments will give the student a first-hand knowledge of the action of the important drugs.

In the second half of the third year, the more systematic study of drugs will be begun. The instruction will be by lectures and quizzes and will include a description of the doses and preparations of drugs, their action in health and disease, their incompatibilities and the uses which are made of them in the treatment of disease. Early in this course will be given instruction in Prescription Writing and there will be constant drill on this difficult subject till the end of the fourth year.

In the first half of the fourth year this course will be continued. The last half of the year will be devoted to Therapeutics or the treatment of diseases. This will be largely a text book course with occasional lectures.

The total number of hours of instruction in this department is 240.

MEDICAL JURISPRUDENCE.

The instruction in Medical Jurisprudence in a course of 15 lectures followed by an examination will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNECOLOGY.

The course in Diseases of Women will continue through the third and fourth years. By a new arrangement, third year students will have work mainly didactic in character.

Dr. Willis Bean Moulton will in the fourth year conduct a course in the Pathology of Diseases of Women.

There will be also weekly clinics for fourth year students, at which the examination of female patients will be an important feature.

DISEASES OF CHILDREN.

Instruction will be given, as heretofore, by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class. During the past year, clinical opportunities have been furnished by the Children's Hospital, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, the Portland Charitable Dispensary, the Maine General Hospital, the Maine Eye and Ear Infirmary, the Maine School for the Deaf, and by the City Physician of Portland and by other practitioners, from their private practice.

OPHTHALMOLOGY AND OTOLOGY.

The instruction in these departments will be given by lectures and clinics. A weekly clinic will be held at the Hospital on Saturday, at 8.30 A. M. The various diseases will be discribed as cases illustrating them are available for demonstration; operations will be performed when required; and other treatment applied as may be necessary.

Daily clinics are also held at the Portland Charitable Dispensary and the Maine Eye and Ear Infirmary, to which the students have access.

PUBLIC HYGIENE.

Instruction is given by the Professor of Physiology who is a member of the State Board of Health, by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health boards, in the management of infectious diseases.

NEUROLOGY AND MENTAL DISEASES.

Instruction in Neurology and Mental Diseases will be given to the fourth class each week throughout the course by lectures, clinics and quizzes, three hours of each week being devoted to such instruction.

GENITO-URINARY SURGERY.

Instruction in Genito-Urinary Surgery will be given to the fourth class each week during the course both by lectures and clinically.

DERMATOLOGY.

Instruction in Dermatology will be given to the third year class each week during the entire course didactically and clinically.

ORTHOPEDIC SURGERY.

Clinics in Orthopedic Surgery will be held at the Maine General Hospital and the Children's Hospital on each Friday throughout the fourth year.

DISEASES OF THE NOSE AND THROAT.

The fourth class will receive special instruction, both didactic and clinical in Diseases of the Nose and Throat, weekly throughout the course.

SCHEDULE FOR THE FIRST YEAR

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ANATOMY (Didactic)		*8.15—9.15 *9.30—10.30 †9 30—10.30		†8.15—9.15 †9.30—10.30	*9.30—10.30 †9.30—10.30	
CHEMISTRY	2.30—5.30		*1.30—4.30 †2.30—5.30		*1.30—4.30 ‡2.30—5.30	
PHYSIOLOGY			8 30—10.30			*8.30—10.30 ‡8.30—11.30
HISTOLOGY (Laboratory)	*8.15—10.30	*1.30—4.30		*1.30—4.30		1.30—4.30
April 4—May 17 ANATOMY (Dissecting)		8—11.30	1.30—4.30	8—11.30 1.30—4.30	8—11.30	1.30—4.30
OSTEOLOGY				*8.15—9.15 *9.30—10 30		
EMBRYOLOGY	‡8.15—9.15 ‡9.30—10.30 Didactic	‡1.30—4.30 Laboratory				
HYGIENE AND DIETETICS				†2—5		†2—4

* First half year. † Second half year, excepting from April 4 to May 17. ‡ Second half year.

SCHEDULE FOR THE SECOND YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY (Didactic)		*8.15—9.15 *9.30—10.30			†8.15—9 15	
CHEMISTRY				†10—12 †2—4		
PHYSIOLOGY (Didactic)	Jan. and Feb. 8.15—9.15 9.30—10.30		†8.15—9.15 †9.30—10.30			†8.15—9.15 †9.30—10.30
PATHOLOGY AND BACTERIOLOGY	†2—5.30	†2—5.30	†2—5 30		†2—5.30	
April 4—May 17 ANATOMY (Dissecting)	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30	8—11.30 1.30—5.30

* First half year. † Except from April 4 to May 17.

SCHEDULE FOR THE THIRD YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	11—1C 3—4A*	11—12.30B	11—1C	10—11A 2—4Cw	11—1C 3—4C	11—12.30BS
SURGERY	8—9A	10—11Am 11—12.30Cw	8—9A 10—11Co	11—12Cw	8—9A	8—9A 10—11Co 11—12.30S
MATERIA MEDICA PHARMACOLOGY AND THERAPEUTICS	9—10A 4—6D			4—6D	9—10A	
GYNECOLOGY			9—10A			9—10A
CLINICAL PATHOLOGY After April 4		2—5	3—5			
OBSTETRICS	10—11A	9—10A			10—11A	
DERMATOLOGY				8—6A	5—6C*	
PUBLIC HYGIENE	3—4A					

A Exercises at Medical School Building B At Dispensary. C Clinic. Cw Ward clinic. Co Operative clinic. D Laboratory work, 1st half year. *Every alternate week. Am Amphitheater. S Section.

SCHEDULE FOR THE FOURTH YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
INTERNAL MEDICINE	11—12.30B S 2—3A 3—4*		11—12.30B S	2—4C	11—12.30B S 2—3A	
SURGERY	10—11Cw S	8—9A	10—1Co	8—9A 10—11Cw 11—12Co	11—12Cw S	10—1Co
MATERIA MEDICA PHARMACOLOGY AND THERAPEUTICS		4—6A				4—6A
MEDICAL JURISPRUDENCE	Fifteen lectures during second half year.					
GYNECOLOGY		10—12C M				
NEUROLOGY AND MENTAL DISEASES	5—6A				10—11C 5—6A	

SCHEDULE FOR THE FOURTH YEAR—Continued

OPHTHALMOLOGY AND OTOLOGY	8—9A					8.30—10C
PEDIATRICS	9—10A	9—10A	3—5D		3—5D S	
GENITO-URINARY DISEASES				4—5.30M		
ORTHOPEDICS					9—10M 3—5C D	
LARYNGOLOGY AND RHINOLOGY			8.30—10A C			

A Exercises at Medical School Building. B At Dispensary. C Clinic. Cw Ward clinic. Co Operative clinic. *Every alternate week. S Section. D Children's Hospital. M Maine General Hospital.

The total number of hours in the foregoing schedule aggregates 4,291. These hours are divided among lectures, laboratory and clinical work in such a way as to conform as nearly to the recommendations of the Association of American Medical Colleges as conditions will allow.

THE LIBRARY

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 93,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate place in the main reading room for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT BOOKS.

ANATOMY—Gerrish. For reference, Cunningham, Piersol, Quain. Applied Anatomy, Bardeleben. For use in Histological Laboratory, Piersol, Stohr (Lewis). Embryology—McMurrich, Bailey.

PHYSIOLOGY—For recitation work, Brubaker's Text Book of Physiology. For reference, Landois, Howell's American Text Book of Physiology, Ott's Text Book of Physiology. For Laboratory, Hall's Experimental Physiology. For reference, Porter's Introduction to Physiology and Sterling's Practical Physiology.

CHEMISTRY—For class use, Tower's Qualitative Chemical Analysis, Moore's Outlines of Organic Chemistry, Hawk's Practical Physiological Chemistry. For reference, Treadwell's Qualitative Analysis; Holleman's Text Book of Organic Chemistry; Richter's Organic Chemistry; Long's Text Book of Physiological Chemistry; Abderhalden's Text Book of Physiological Chemistry; Holland's Medical Chemistry and Toxicology; Tyson's Practical Examination of Urine; Ogden's Clinical Examination of the Urine; Blythe's Detection of Poisons; Peterson and Haines' Legal Medicine and Toxicology; Leach's Food Inspection and Analysis; Mason's Examination of Water; Nelson's Introduction to the Analysis of Drugs and Medicines.

PUBLIC HYGIENE—For reference, Harrington, Coplin and Bevan, Parke's Practical Hygiene, Abbott's Hygiene of the Transmissible Diseases.

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS—In Pharmacology, Dixon's Manual of Pharmacology. For reference, Cushney, Wood, Sollmann. In Therapeutics, Hare's Practical Therapeutics. For reference, Forchheimer.

PRACTICE OF MEDICINE—Osler, Edwards, Tyson, Hare.

DIAGNOSTIC METHODS—Sahli.

PHYSICAL DIAGNOSIS—Dacosta, Cabot, Greene.

BACTERIOLOGY—For reference, Abbott, McFarland, Park, Williams.

PATHOLOGY—For recitation, McFarland. For reference, Adami, Ziegler, Delafield and Pruden, Coplin, Green.

CLINICAL PATHOLOGY—For reference, Mallory and Wright, Lenhartz-Brooks, Wood, Stett, Todd.

SURGERY—For recitation, Brewer. For reference, Park. Minor surgery, Foote. Surgical Pathology, Warren. Surgical diagnosis, Berg. Applied Surgical Anatomy, Woolsey. Operative Surgery, Binnie, Bickham.

OBSTETRICS—Williams, Webster, Edgar, Hirst, Reynolds and Newell.

DISEASES OF WOMEN—Dudley, Penrose, Reed, Kelley 2 vols.

DISEASES OF CHILDREN—Holt, Rotch, Williams.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

DISEASES OF THE EAR—Bacon, Field.

NEUROLOGY—Dana, Church, Peterson, Starr.

DERMATOLOGY—Van Harlingen's Diseases of the Skin, Shamberg's Diseases of the Skin.

ORTHOPEDIC SURGERY—Bradford and Lovett.

GENITO-URINARY SURGERY—Morton, Keyes, Casper.

NOSE AND THROAT—Bishop, Knight, Kyle, Ballinger. For reference, L. Brown.

DICTIONARIES—Dorland Illustrated, Gould, Dunglison.

CALENDAR.

1910.

13 October—Thursday. Entrance Examinations: for first year students, at nine o'clock, A. M., in Brunswick.

14 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year, in Brunswick, in Anatomy, at nine o'clock, A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

15 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing for third year, in Portland, in Anatomy at nine o'clock, A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 14 and 15, at hours to be hereafter appointed.

Thanksgiving Recess from Wednesday, November 23, 1.30 P. M. to Monday, November 28, 8.00 A. M.

Recess from 4.30 P. M., Wednesday, December 21, to Monday, January 2, 8.00 A. M.

1911.

22 February—Tuesday, Washington's Birthday. Holiday. No exercises.

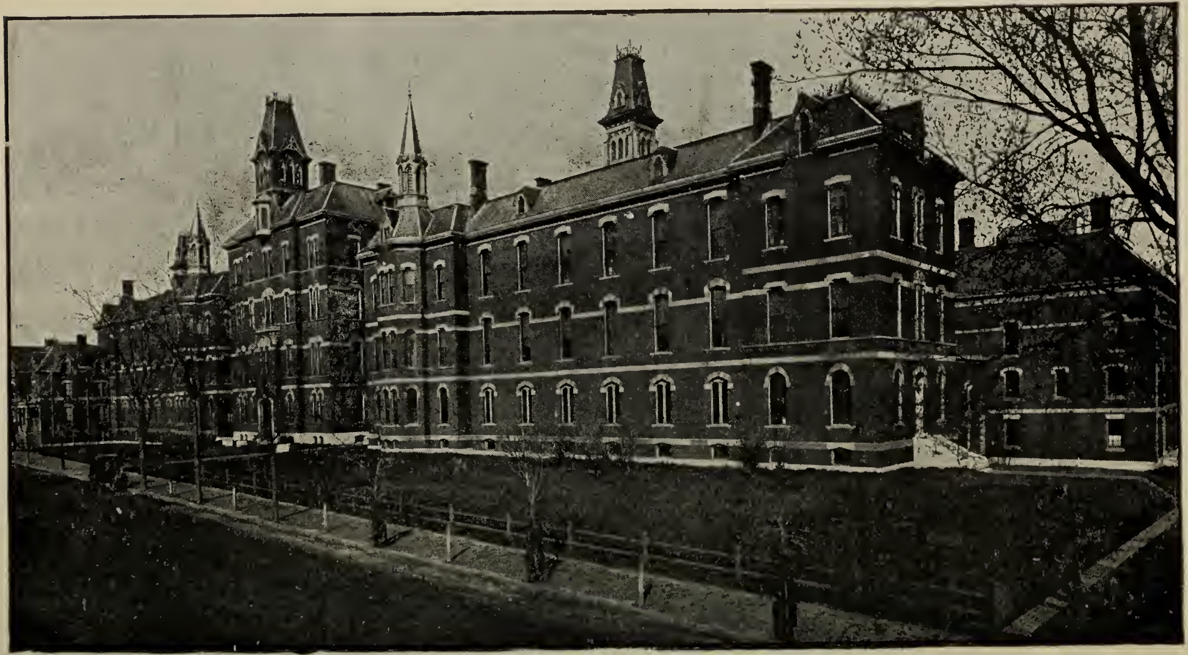
Recess from noon of Saturday, March 25, to morning of Tuesday, April 4.

30 May—Monday, Memorial Day. Holiday. No exercises.

7 to 21 June—Examinations. Wednesday to Wednesday of second week.

21 June—Wednesday. Commencement.

Summer vacation of sixteen weeks.



THE MAINE GENERAL HOSPITAL, PORTLAND

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1912

NEW SERIES NUMBER 37

UNIVERSITY OF ILLINOIS

BOWDOIN COLLEGE BULLETIN

PRESIDENT'S OFFICE

MEDICAL DEPARTMENT NUMBER

OCT 1911

1911 1912

BRUNSWICK, MAINE
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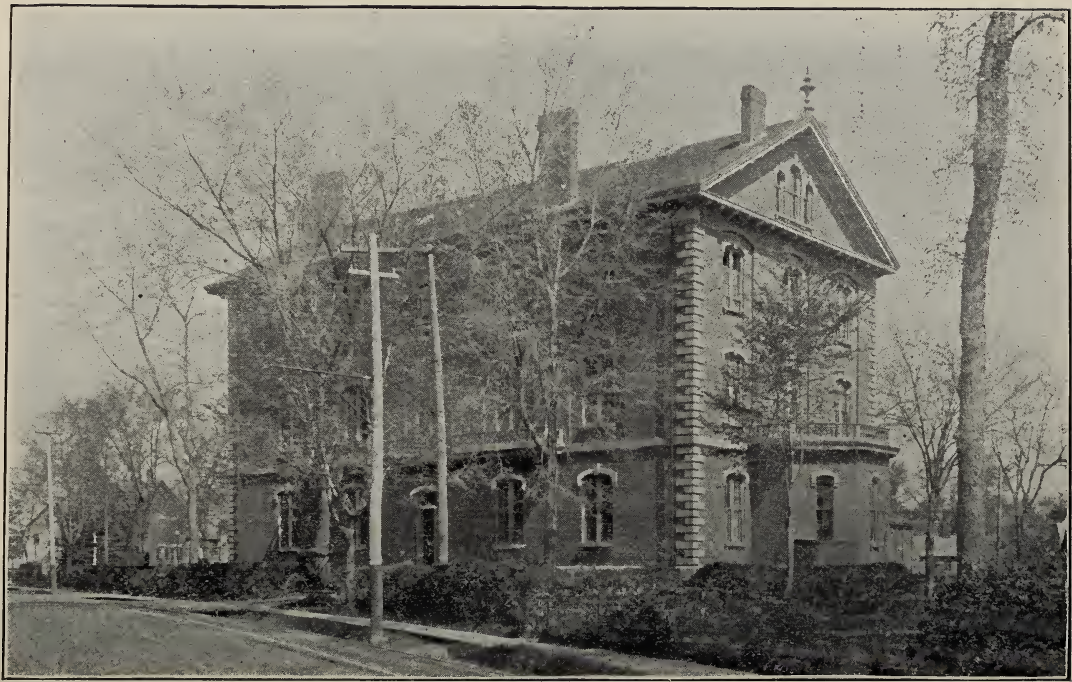

SCHOOL BUILDING, BRUNSWICK

CATALOGUE

OF THE

MEDICAL SCHOOL OF MAINE

THE MEDICAL DEPARTMENT

OF

BOWDOIN COLLEGE

FOR THE NINETY-SECOND YEAR

UNIVERSITY OF ILLINOIS
PRESIDENT'S OFFICE

1911 1912

BRUNSWICK, - MAINE

PRINTED FOR THE COLLEGE, MDCCCCXI

PRESS OF THE BRUNSWICK RECORD
BRUNSWICK, MAINE

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1911-12

FACULTY

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85 Federal Street, Brunswick.

ADDISON SANFORD THAYER, A.B., M.D., Dean, *and Professor of Medicine.*
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163 Maine Street, Brunswick.

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675 Congress Street, Portland

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Maine General Hospital, Portland.

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211 State Street, Portland.

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161 Maine Street, Brunswick.

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51 Deering Street, Portland.

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21 Deering Street, Portland.

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673 Congress Street, Portland.

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83 Federal Street, Brunswick.

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GILMAN DAVIS, M.D., *Lecturer on Diseases of the Nose and Throat.* 657 Congress Street, Portland.

FRED PATTERSON WEBSTER, A.B., M.D., *Lecturer on Diseases of Children.* 12 Pine Street, Portland.

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GILBERT MOLLESON ELLIOTT, A.M., M.D., *Demonstrator of Anatomy.* 152 Maine Street, Brunswick.

RICHARD DRESSER SMALL, A.B., M.D., *Instructor in Obstetrics.* 139 Park Street, Portland.

HERBERT FRANCIS TWITCHELL, M.D., *Instructor in Clinical Surgery.* 10 Pine Street, Portland.

ARTHUR SCOTT GILSON, M.D., *Instructor in Clinical Surgery.* 117 State Street, Portland.

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WILLIAM WHEELER BOLSTER, A.B., M .D., *Instructor in Physiology.* 149 College Street, Lewiston.

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EDWIN WAGNER GEHRING, B.S., M.D., *Instructor in Medicine.* 156 Free Street, Portland.

EDWIN MOTLEY FULLER, Jr., A.B., M.D., *Instructor in Pathology and Bacteriology.* 918 Washington Street, Bath.

CARL HERVEY STEVENS, M.D., *Instructor in Pathology and Bacteriology.* Brunswick.

NATHANIEL EDWARD LOOMIS, Ph.D., *Instructor in Chemistry.* Brunswick.

JOSEPH BLAKE DRUMMOND, A.B., M.D., *Demonstrator of Histology.* 105 Elwell Street, Portland.

ERASTUS EUGENE HOLT, Jr., A.B., M.D., *Demonstrator of Histology.* 723 Congress Street, Portland.

ELMER HENRY KING, A.B., *Demonstrator of Embryology.* Portland.

CHARLES LANGMAID CRAGIN, M.D., *Assistant Demonstrator of Anatomy.* 929 A Congress Street, Portland.

WILLIAM MORAN, M.D., *Clinical Assistant in Diseases of the Eye.* Y.M.C.A. Building, Portland.

ALFRED WILLIAM HASKELL, M.D., *Clinical Assistant in Surgery.* 660 Congress Street, Portland.

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FRANCIS WILSON LAMB, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.

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LUCINDA BLAKE HATCH, M.D., *Clinical Assistant in Obstetrics.* 85 Emery Street, Portland.

HAROLD JOSSELYN EVERETT, A.B., M.D., *Clinical Assistant in Obstetrics.* 727 Congress Street, Portland.

ROLAND BANKS MOORE, M.D., *Clinical Assistant in Obstetrics.* 768 Congress Street, Portland.

GEORGE THOMAS LITTLE, Litt.D., *Librarian.* 8 College Street, Brunswick.

FRANKLIN CONANT PAYSON, LL.D., *from the Board of Trustees.*

DANIEL ARTHUR ROBINSON, A.M., M.D., *from the Board of Overseers.*

ERNEST BOYEN YOUNG, A.B., M.D., *from the Board of Overseers.*

GRADUATES OF 1911.

Albert Kilburn Baldwin, A.B.	Brunswick
James Donald Clement	Belfast
Frank Stephen Dolley, A.B.	Brunswick
Everett Clifton Higgins, A.B.	Clinton
Elmer Herbert Jackson	Jefferson
Charles Jewell Nason	Hampden
Carl Hervey Stevens	Northport
Cornelius John Taylor	Bangor
Malford Wilcox Thewlis	Providence, R. I.
Francis Howe Webster, B.S.	Castine
Charles Green Wharton, B.S.	Tulare, Cal.
Charles Moore Wilson	Waterford
Gustaf Fritz Robert Wollin	Ystad, Sweden

Students in 1910-11.

FOURTH YEAR.

Name	Residence
Baldwin, Albert Kilburn, A.B.	Brunswick
Clement, James Donald	Belfast
Dolley, Frank Stephen, A.B.	Brunswick
Higgins, Everett Clifton, A.B.	Clinton
Jackson, Elmer Herbert	Jefferson
Long, Paul Raymond	Parsonsfield
Nason, Charles Jewell	Hampden
Stanwood, Harold Williams, A.B.	Rumford
Stevens, Carl Hervey	Northport
Taylor, Cornelius John	Bangor
Thewlis, Malford Wilcox	Providence, R. I.
Webster, Francis Howe, B.S.	Castine
Wharton, Charles Green, B.S.	Tulare, Cal.
Wilson, Charles Moore	Waterford
Wollin, Gustaf Fritz Robert	Ystad, Sweden

THIRD YEAR.

Name	Residence
Bennett, Roland Joseph	Dover, N. H.
Brown, Freeman Fletcher	Vinalhaven
Buck, George Henry, A.B.	Harrison
Hammond, Walter Jean, A.B.	Howland
Lente, Harry Hallock	Franklin, Mass.
Merrill, Clyde Harold	Auburn
Pratt, Harold Sewall, A.B.	Farmington
Rosen, William	New Bedford, Mass.
Scamman, Clarence Linwood	Hartland
Stanley, Oramel Henry, A.B.	Fryeburg

SECOND YEAR.

Name	Residence
Arey, Harold Carleton, A.B.	Camden
Bridge, Ezra Ralph, A.B.	Brunswick
Coombs, Wyvern Almon	Vinalhaven
Gould, Carlisle Royal	Somersworth, N. H.
Hendee, Walter Whitman	Augusta
Hanscom, Ridgley Fernald	New London, Conn.
Lippincott, Leon Stanley, A.B	Augusta
McNeil, Henry Daniel	Bangor
Moulton, Albert Willis, A.B.	Portland
Paine, Edward Warren	Winslow
Roberts, Edward Russell	Portland
Ross, Harold Danforth	Phillips
Scribner, Herbert Charles	Bangor
Sullivan, Philip Sheridan	Biddeford
Trickey, Winfield Benjamin	East Corinth
Walker, Francis David	Waterville
Woodman, Samuel Lee	Winthrop

FIRST YEAR.

Name	Residence
Bickmore, Harold Vincent, A.B.	Augusta
Buck, William Edgar	Portland
Cartland, John Everett, A.B.	Lisbon Falls
Collins, Frank LaForest,	Brunswick
Echols, Francis Sherman	Hartford, Conn.
Falkingham, Ralph James	West Jonesport
Fogg, Charles Eugene	Portland
Goddard, Claude Albert	Bethel
Gordon, Isaac Louis.	Lincoln
Gray, Carl Dinsmore	Madison
Johnson, Alfred Wellington	Augusta
Johnson, George Harold	Augusta
Johnson, John Loring, A.B.	Houlton
Mikelsky, Benjamin Myer	Bath
Mikelsky, Louis Lee, A.B.	Brunswick
Miller, Hudson Russell	Lewiston
Moulton, John Henry, A.B.	Limington
Nutter, Ralph Walker	Alfred
Perkins, Roy Stanley	Madbury, N. H.
Peters, Clinton Noyes, A.B.	Woodfords

Students

Name	Residence
Regan, Edward Francis	Marlboro, Mass.
Robinson, Harrison Leonard, A.B.	Bangor
Skillin, Waldo Thompson, A.B.	Hallowell
Weeks, DeForest, A.B.	Cornish
Williams, James Albert, A.B.	Topsham

SUMMARY.

FOURTH YEAR	15
THIRD YEAR	10
SECOND YEAR	17
FIRST YEAR	25
TOTAL	67

Announcement.

The Medical School of Maine, established by the first Legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of thirty-six weeks each. The studies are distributed through the curriculum according to the following schedule:

FIRST YEAR: Anatomy, Embryology, Histology, Physiology, Chemistry, Personal Hygiene.

SECOND YEAR: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

THIRD YEAR: Medicine, Surgery, Materia Medica, Pharmacology and Therapeutics, Public Hygiene, Diseases of Women, Obstetrics, Diseases of the Skin, Eye, Ear, Nose, Throat and Genito-Urinary System.

FOURTH YEAR: Medicine, Surgery, Orthopedic Surgery, Materia Medica, Pharmacology and Therapeutics, Medical Jurisprudence, Medical Ethics, Diseases of Women, Diseases of Children, Neurology and Mental Diseases, with clinical instruction in Diseases of the Skin, the Genito-Urinary System, the Eye, the Ear, the Nose and the Throat.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the Scientific Departments of Bowdoin College afford facilities for teaching the primary branches. The third and fourth year classes are taught in Portland on account of the clinical advantages afforded in that city. A building designed for the use of the school is located on Chadwick Street, near the Maine General Hospital, in which institution nearly all the teachers in the school are medical or surgical officers, and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the book) is the largest single source of supply of clinical material for the school, Portland has a number of institutions, such as the Maine Eye and Ear Infirmary, the Children's Hospital, the City Home, the Marine Hospital, the Portland Tuberculosis Class, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, and the Maine School for the Deaf, which will continue to contribute to bedside instruction of the students. During the coming year the Portland Charitable Dispensary, which is controlled by this school, will probably occupy a new and commodious building designed especially with a view to the clinical needs of medical education.

The expenses of maintenance of this school are defrayed in greater part by the income from invested funds. A large number of students is neither expected nor desired. Modern methods in medical education demand individual instruction. The Boards of Bowdoin College and the teachers in the Medical School of Maine believe that the record of long and honorable service, which the school has secured, can be maintained best, if the number of students is small, and the standard of teaching is high.

The ninety-second annual course will begin on Thursday, the 19th of October, 1911, and will continue thirty-six weeks.

Examinations for admission to the school will be held at nine o'clock on the morning of the first day, Thursday, the 19th of October, in Brunswick.

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*Street-cars (Spring Street line—blue) run on Vaughan Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union and Grand Trunk railway stations.

Final examinations for each class will be held in the period from the 12th to the 26th of June, 1912, inclusive.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick on Friday, the 20th of October. Examinations in anatomy at eight o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 21st. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 20th and 21st, at hours to be hereafter appointed.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Dean.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

Every student who fails to maintain a satisfactory standard of work, will be warned of his deficiency from time to time, before the end of the term.

An examination which is not complete receives no consideration.

The systematic course of instruction will begin on Monday morning, the 23rd of October.

On arriving in Brunswick students should apply to the Deputy Dean, Dr. F N. Whittier, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purpose.

EXPENSES.

For Instruction: In each of the required four years $100. This shall be paid promptly one-half at the opening of the course and the balance at the beginning of the second half of the course.

For Examinations: Payable at the close of the term of instruction,

In Anatomy	$5.00
In Physiology	5.00
In Chemistry	5.00
In Bacteriology and Pathology	5.00
In Obstetrics	5.00

These five fees are credited on the diploma or graduation fee.

For every re-examination in any of the departments in any year, $3.00. This fee is not credited on the diploma fee.

For examination or re-examination in any branch, at a time not regularly appointed, a fee of $5.00 must be paid in addition to the prescribed fee for that examination.

Miscellaneous: The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $3.00 for first course, $2.00 for second course, payable in advance.

For materials used in the physiological laboratory, $2.00 for first course, $1.00 for second course, payable in advance.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

Furnished rooms can be obtained at a rental of from $1.50 to $2.50 per week according to the conveniences. A sharing of the above expenses by two students evidently brings the cost within reasonable limits.

The price of board is from $3.00 to $4.00 a week.

The cost of living in Portland has been found to be not necessarily in excess of that at Brunswick.

$15 to $25 a year covers the cost of books.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the matriculation fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

REQUIREMEMTS FOR ADMISSION

Requirements for admission to the first year are those of the Association of American Medical Colleges, with the addition that one year of Chemistry is specifically required.

Section 1. (a) A bachelor's degree from an approved college or university, or (b) or (c).

(b) A diploma from an accredited high school, normal school, or academy requiring for admission evidence of the completion of an eight-year course in primary, and intermediate grades, and for graduation not less than four years of study embracing not less than two years (4 points) of foreign languages, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

(c) An examination in the following branches: A. Required (18 points); Mathematics (4 points); English (4 points); history (2 points); language (4 points—2 must be Latin); science (taken from physics, chemistry, botany, zoölogy, 4 points). B. Optional (to 12 points); English (2 points); history (6 points); language (6 points), manual training (2 points); mechanical drawing (1 point); natural science (botany, zoölogy, 2 points); physical science (chemistry, physics, 2 points); trigonometry (1 point); astronomy (1); civics (1); geology (1); physical geography (1); physiology and hygiene (1); political economy (1).

(One point in any subject in a high school or academic course demands not less than five periods per week of forty-five minutes each for eighteen weeks).

(d) Certificates from reputable instructors recognized by the superintendents hereinafter to be mentioned, or by any state board of medical examiners duly authorized by law, may be accepted in lieu of any part of this examination.

Section 2. This examination will be conducted by the Superintendent of Schools of Brunswick and Topsham, John Albert Cone, A.B. It will be recognized that the appointment of the examiner is in accordance with the requirements of the Association of American Medical Colleges.

Section 3. A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examination before he is allowed to enter on the second year of his medical course.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction, equivalent in kind and amount to that or those in this school preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

Students in the Senior Class of the Academic department are permitted to take the studies of the first year in the Medical department and thus are eligible for the first year final Medical examinations.

It is desired that a literal interpretation shall be placed upon the stated requirement of the candidates for matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination.

The Board of Trustees and Overseers of Bowdoin College by recommendation of the Faculty have voted that in and after 1912 one year of study in a reputable college will be required for admission to the Medical department, in which time particular attention shall be bestowed upon physics, chemistry, biology, and either French or German. It is advised that students take two years of college work along the same lines.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

Time spent in pharmacy, dental and veterinary institutions and in preparatory schools does not entitle a student to examinations for advanced standing.

METHODS OF INSTRUCTION.

ANATOMY.

Ppofessor Tobie, Assistant Professor Dyson, and Doctors Elliott, Thompson, Drummond, Holt, Cragin, and Mr. King.

The course in this branch extends over two years and covers every portion of human anatomy with special reference to its application in the practice of medicine and surgery. The scope is so extensive as to require a number of instructors and a division of the work; but an attempt is made to harmonize the various divisions and enable students to spend their time to the best possible advantage. In the class room every part of human anatomy is taken up by systems as arranged in Gerrish's Text-Book. Some subjects are treated by lectures and many by demonstrations, but the greater part of the work consists of recitations and demonstration quizzes.

First year students study embryology, histology, osteology, arthrology, myology, and visceral anatomy, including the study of the cerebro-spinal axis and organs of the special senses. Second year work includes myology, the remainder of systematic anatomy and relational anatomy. The class-room work is made valuable by the exhibition and demonstration of dissected parts, models and casts, and from time to time students are required to present drawings of different organs. Considerable attention is also paid to surface anatomy, which is studied on the living model. The total number of hours devoted to class-room work in gross anatomy in two years' time is one hundred and seventy-four, including thirty hours of osteology.

During the first half of the first year the different tissues and organs are studied microscopically in the histological laboratory and reproduced by free hand drawing. One hundred and thirty-five hours are devoted to histology, thirty being didactic in character, the remainder laboratory work. Embryology is studied during the second half of the first year. Forty-five hours are devoted to laboratory work; thirty hours to lectures, recitations and quizzes.

First year students devote one hundred and thirty-five hours to practical anatomy and dissect at least one part of the cadaver. Second year students dissect in the second half term and spend two hundred and seventy hours in the anatomical laboratory. For this purpose a period of six weeks is reserved, during which they devote their entire time to practical anatomy and are required to dissect and demonstrate at least a complete lateral half of the human body. The supply of dissecting material is adequate and the methods and facilities for preparing and preserving it are modern and of the best.

The Anatomical Museum contains a large number of dry preparations, specimens, casts and models, including Auzoux's complete model of a man, the gift of Hon. John Fremont Hill, Ex-Governor of the State of Maine and an alumnus of 1877. The museum is rich in osteological material and disarticulated skeletons are loaned to the students of the first year, remaining in their possession until the end of the term.

At the end of each year, students are required to pass a written and an oral examination. Practical examinations in the identification of gross and microscopic structures are held in the laboratories.

PHYSIOLOGY.

Professor Smith and Doctor Bolster.

Instruction in this department is conducted with reference to the practical application of the facts of human physiology to the needs of the student, in his study of the diagnosis and treatment of disease. Class-room demonstrations and experimental laboratory teaching are employed, so far as they can be made to serve this purpose.

Methods of Instruction

The instruction will be given by practical laboratory work, text-book recitation and supplementary lectures.

The laboratory is fully equipped with the Harvard apparatus.

The work of the first year will be devoted to study by recitation, and by practical laboratory exercises, extending over half the term, of the functions of Nutrition. Special attention will be given to the physiology of nerve and muscle, of the Blood, including its microscopical study, Digestion and the phenomena and physics of the Circulation and Respiration. Students will be taught to demonstrate for themselves the essential facts connected with these functions.

Written reviews will be held from time to time besides regular quizzes upon both the didactic and laboratory work.

The work of the second year will be devoted to the study of Reproduction, the Nervous System, the Special Senses and the physiology of Voice and Speech.

The department is well equipped with charts, models and apparatus for demonstration and experimental work, admirably adapted to aid in giving students a thoroughly practical course in Physiology. There will be not less than seventy-five hours devoted to experimental and demonstration work in laboratories.

A laboratory fee of $2.00 will be charged, to defray cost of material, which must be paid in advance at the Dean's office before beginning the laboratory course. Students will furnish at their own cost necessary instruments for nerve-muscle dissection and will be charged extra with the cost of any injury to apparatus.

CHEMISTRY.

Professor Cram and Doctor Loomis.

The chemical courses extend over the first two years. They consist of lectures and laboratory work occupying from five to nine hours per week for each class. As a knowledge of general inorganic chemistry is required for admission, first year men begin with the application of general chemistry to the qualitative analysis of simple substances. The work is mainly in the laboratory, the book used being Tower's "Qualitative Chemical Analysis." The aim of the course is not so much to train analysts as to impart familiarity with chemical substances and principles.

The work in qualitative analysis is followed by the principles and practice of quantitative analysis, especially volumetric. Particular attention is paid to the preparation of solutions of definite strength and to the computation of results. The analytical courses take the first half year.

The second half year with the first year men is given to general organic chemistry. Attention is given to the important classes into which organic compounds are divided and to properties and reactions common to the whole class, rather than to specific compounds and special reactions. The compounds chosen to illustrate each class are as far as possible those of importance to the physician. The course is given mainly by lectures with some laboratory work in the preparation of certain organic compounds. The book used is Moore's "Outlines of Organic Chemistry."

The second year men begin with physiological chemistry using Hawk's "Practical Physiological Chemistry." The work is mainly in the laboratory, supplemented by assigned readings and quizzes. This is followed by urinary analysis, the analysis of foods, detection of poisons, and the analysis of drugs and medicines.

First year men who have had satisfactory courses in analytical chemistry and organic chemistry, take the regular work in physiological chemistry with the second year men their first year. In their second year such men will be given an opportunity to do advanced individual work in the newer methods of urinary analysis and in research.

The aim is to make the chemical courses as practical as possible. To this end the student is taught how to construct apparatus and prepare reagents as well as use them. Particular attention is given also to the literature so that a man may become familiar with the standard works of reference in each department. For this the equipment of the Searles Science Building is fully adequate.

Each student is required to pay in advance at the Dean's office a laboratory fee, covering the average cost of chemicals, gas, and water. This is $3.00 for the first year men and $2.00 for the second. In addition each will pay for apparatus broken or not returned at the end of the term.

OBSTETRICS.

PROFESSOR McDONOUGH AND DOCTORS SMALL, HATCH, MOORE AND EVERETT.

Till this year, a serious proposition was the providing of systematic clinical instruction. While for the last two years clinics were held at the Maine General Hospital, the Eye and Ear Infirmary and the City Hospital, and the City Physician placed at the disposal of the students cases which came under his care, still there was no guarantee of any definite number. Even with this disadvantage students had opportunity of seeing at least five cases. This year the Board of Managers of the Temporary Home, the one lying-in hospital in the city, has granted the school the privilege of all cases occurring in this institution. Dr. Cousins at his hospital, has placed at our disposal one bed in his obstetrical ward, for patients to be used for clinical instruction. At the new dispensary about to be built, an outpatient department will be established. From these sources it is expected to obtain a sufficient number of clinical cases to furnish the needed bedside teaching.

PATHOLOGY, BACTERIOLOGY AND HYGIENE.

PROFESSOR WHITTIER AND DOCTORS WEEKS, FULLER AND STEVENS.

1. Hygiene. Lectures and laboratory work. Second half-

year: Thursday, 1.30 to 4.30; Saturday, 1.30 to 3.30, except six weeks following the Easter recess.

This course is given to first-year students and occupies five hours a week for nine weeks. Eighteen of the hours are didactic and twenty-seven are laboratory hours. Lectures are given on personal hygiene and include such subjects as exercise, ventilation, sources of food and water supply, first aid in emergency cases, effects of alcohol, and sex hygiene. The course is also designed to give an introduction to Bacteriology and includes introductory lectures on that subject. The laboratory work includes simpler bacteriological technic, microscopical examination of foods, practical experiments in disinfection and routine examinations of water and milk.

2. Bacteriology. Lectures and laboratory work. First half-year until Christmas recess: Monday, Tuesday, Wednesday, and Friday, 1.30 to 5.30.

This course is given to second-year students and occupies sixteen hours a week for nine weeks. Forty of the hours are didactic and one hundred and four are laboratory hours. Students are required to prepare most of the media and solutions used in this course. Each student is required to cultivate upon media twelve varieties of pathogenic bacteria and to study their characteristics. Animal inoculations and autopsies are performed by the students. Special attention is given to laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

3. General Pathology, including Pathological Histology, also Pathology of the Blood. From Christmas recess to the end of the year excepting the first six weeks following the Easter recess: Monday, Tuesday, Wednesday and Friday, 1.30 to 5.30.

This course is given to second-year students and occupies sixteen hours a week for fifteen weeks. Sixty of the hours are didactic and devoted to quizzes and lectures and one hundred and eighty are laboratory hours. McFarland's text-book is used as a basis for this course. The text-book is supplemented by lectures on special subjects. As far as possible the consideration of a subject in the class-room is followed by a study of the same subject in the laboratory. Much time is given before the Easter recess to diagnosis work upon the microscopical preparations. The last two weeks of the course are devoted largely to the study of pathology of the blood and the technic of blood examinations. Students are trained in counting red and white corpuscles, in estimating amount of hemoglobin, in preparation and examination of stained specimens.

4. Clinical Pathology. A course for third-year students. Practical work by assignment in the Portland hospitals and in the school laboratory. Also scheduled work in the school laboratory from the Easter recess to the end of the year: Tuesday, 2 to 5 and Wednesday, 2 to 4. This work occupies five hours a week for nine weeks. Fifteen of the hours are didactic and thirty are laboratory hours. The course in Clinical Pathology occupies at least eighty hours. Of these only forty-five are scheduled.

Arrangements have been made with the Maine General Hospital, Maine Eye and Ear Infirmary and Portland Charitable Dispensary for third-year students to do pathological work in these institutions. Regular assignments are made and reports of work done required. By arrangement with the physicians in charge special attention is given to the clinical side of this work.

Instruction is given as opportunity occurs at surgical clinics and autopsies. In the work at the Medical School building each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Portland Charitable Dispensary. Whenever possible students are required to obtain material from the patients.

Students receive special training in the technic of preparing bacterial vaccines, also in performing the Wassermann test for syphilis.

MEDICINE.

Doctors Thayer, Keating, Weeks, Burrage, Gehring, Files and Welch.

Instruction in internal medicine is given throughout the third and fourth years.

In the third year special stress is put upon physical examinations. Each student is trained individually and repeatedly in methods of inspection, palpation, percussion and auscultation; he is taught a practical technique for examining blood, stomach contents, faeces, urine and sputum; he is shown how to make succinct case-histories; and his knowledge of text-books on Medical Diagnosis and Practice of Medicine is tested and clarified by systematic quizzes.

In the fourth year, each student is taught to sift his facts; to correlate the subjective symptoms related by the patient with his own objective findings after examination. Case-histories are reported to the class and discussed by students and by instructors, and are made a basis for training in the arts of diagnosis, prognosis and treatment.

SURGERY.

Doctors King, Brock, Twitchell, Gilson, Haskell, Haney and Drummond.

The instruction in surgery is given by lectures, recitations, demonstrations, clinics, diagnosis exercises on the patient, and operations on the cadaver. It extends throughout the third and fourth years of the course, and in the highest possible degree is practical in character.

In the didactic course the recitation method is employed for the most part, as being particularly helpful to the students,—necessitating careful preparation of each lesson, allowing no essential point to be slighted, and stimulating pride by the certainty of each that his work will be compared with that of his fellows. But the lecture method is used whenever it seems serviceable, as in the introduction of new topics, the presentation of the salient features of unfamiliar subjects, and the explanation or amplification of matters not adequately treated in the text-book.

The students perform a large variety of operations upon the cadaver, under the immediate direction and supervision of the teacher. The application of bandages and other dressings is taught in the most practical manner.

The principal clinical teaching is given at the Maine General Hospital by the six visiting surgeons, all of whom are professors, assistant professors, or clinical instructors in the School. Twice in each week some of these teachers hold exercises in diagnosis, in which the students are instructed in proper methods, and privileged to make personal examination of cases. Sections of the class are taken in turn through the wards, and are given opportunities for the observation of the after-treatment and progress of patients upon whom they have seen operations performed. A system of notification by telephone enables the students to obtain prompt information of accident cases, which are brought into the Hospital. The amount of clinical material at this institution far exceeds the capacity of the classes to appropriate it without neglecting other and essential studies. The surgeons of the Portland Charitable Dispensary permit sections of the class to observe cases at their daily service—a privilege highly valued and constantly accepted, as the kind of diseases is largely different from those usually seen at the Hospital. The City Hospital also occasionally presents interesting and useful material.

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR HUNT AND DOCTOR DERRY.

Instruction in this department is as follows :

In the first half of the third year, there is a recitation course in Pharmacology. This gives the student a general idea of the action of the more important drugs. During the first half of this year a laboratory course of sixty hours is given. In this, is taken up Botany, Plant Chemistry, the manufacture of pharmaceutical preparations and the study of incompatibles.

The last three-fourths of the laboratory course will be devoted to experimental pharmaco-dynamics. The students will perform experiments, either individually or in groups, upon living animals. These experiments will give the student a first-hand knowledge of the action of the important drugs.

In the second half of the third year, the more systematic study of drugs will be begun. The instruction will be by lectures and quizzes and will include a description of the doses and preparations of drugs, their action in health and disease, their incompatibilities and the uses which are made of them in the treatment of disease. Early in this course will be given instruction in Prescription Writing and there will be constant drill on this difficult subject till the end of the fourth year.

In the first half of the fourth year this course will be continued. The last half of the year will be devoted to Therapeutics or the treatment of diseases. This will be largely a text book course with occasional lectures.

The total number of hours of instruction in this department is 240.

MEDICAL JURISPRUDENCE.

PROFESSOR EMERY.

The instruction in Medical Jurisprudence in a course of 15 lectures followed by an examination will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

GYNECOLOGY.

PROFESSOR THOMPSON AND DOCTOR WILLIS BEAN MOULTON.

The course in Diseases of Women will continue through the third and fourth years. Third-year students will have work mainly didactic in character.

Dr. Moulton will in the fourth year conduct a course in the Pathology of Diseases of Women.

There will be also weekly clinics for fourth year students, at which the examination of female patients will be an important feature.

DISEASES OF CHILDREN.

Lecturer Webster.

Instruction will be given, as heretofore, by recitations, lectures, clinical demonstrations, and study of cases by individual students with reports and discussions by members of the class. During the past year, clinical opportunities have been furnished by the Children's Hospital, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, the Portland Charitable Dispensary, the Maine General Hospital, the Maine Eye and Ear Infirmary, the Maine School for the Deaf, and by the City Physician of Portland and by other practitioners, from their private practice.

OPHTHALMOLOGY AND OTOLOGY.

Professor Willis Bryant Moulton and Doctor Moran.

The instruction in these departments will be given by lectures and clinics. A weekly clinic will be held at the Hospital. The various diseases will be described as cases illustrating them are available for demonstration; operations will be performed when required; and other treatment applied as may be necessary.

Daily clinics are also held at the Portland Charitable Dispensary and the Maine Eye and Ear Infirmary, to which the students are assigned in small sections.

PUBLIC HYGIENE.

Instruction is given by a member of the State Board of Health, who lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with special reference to preventable diseases.

Several hours are devoted to sanitary legislation and the relations and obligations of the practicing physician to public and health boards, in the management of infectious diseases.

NEUROLOGY AND MENTAL DISEASES.

PROFESSOR WITHERLE.

Instruction in Neurology and Mental Diseases will be given to the fourth-year class each week throughout the course by lectures, clinics and quizzes, three hours of each week being devoted to such instruction.

GENITO-URINARY SURGERY.

LECTURER ALFRED MITCHELL, JR.

Instruction in Genito-Urinary Surgery will be given to the third-year class each week during the course both by lectures and clinically.

DERMATOLOGY.

LECTURER PUDOR.

Instruction in Dermatology will be given to the third-year class each week during the entire course didactically and clinically.

ORTHOPEDIC SURGERY.

LECTURER ABBOTT AND DOCTORS PINGREE AND LAMB.

Clinics in Orthopedic Surgery will be held at the Maine General Hospital and the Children's Hospital throughout the fourth year.

DISEASES OF THE NOSE AND THROAT.

LECTURER DAVIS.

The third-year class will receive special instruction, both didactic and clinical in Diseases of the Nose and Throat, weekly, throughout the course, and clinical instruction will continue throughout the fourth year.

SCHEDULE FOR THE FIRST YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY (Didactic)		*8.15—9.15 *9.30—10.30 †9.30—10.30		†8.15—9.15 †9.30—10.30	*9.30—10.30 †9.30—10.30	
CHEMISTRY	2.30—5.30		*1.30—4.30 †2.30—5.30		*1.30—4.30 ‡2.30—5.30	
PHYSIOLOGY			8.30—10.30			*8.30—10.30 ‡8.30—11.30
HISTOLOGY (Laboratory)	*8.15—10.30	*1.30—4.30		*1.30—4.30		*1.30—4.30
April 9—May 22 ANATOMY (Dissecting)		8—11.30	1.30—4.30	8—11.30 1.30—4.30	8—11.30	1.30—4.30
OSTEOLOGY				*8.15—9.15 *9.30—10.30		
EMBRYOLOGY	‡8.15—9.15 ‡9.30—10.30 Didactic	‡1.30—4.30 Laboratory				
HYGIENE AND DIETETICS				†1.30—4.30		†1.30—3.30

* First half year. † Second half year, excepting from April 9 to May 22. ‡ Second half year.

SCHEDULE FOR THE SECOND YEAR

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ANATOMY (Didactic)		*8.15—9.15 *9.30—10.30			†8.15—9.15	
CHEMISTRY				†10—12 †2—4		
PHYSIOLOGY (Didactic)	Jan. and Feb 8.15—9.15 9.30—10.30		†8 15—9.15 †9.30—10 30			†8.15—9.15 †9.30—10.30
PATHOLOGY AND BACTERIOLOGY	†1.30—5.30	†1.30—5.30	†1.30—5.30		†1.30—5.30	
April 9—May 22 ANATOMY (Dissecting)	8—11.30 1.30—5.30	8—11 30 1.30—5.30	8—11.30 1.30—5.30	8—11 30 1.30—5.30	8—11.30 1.30—5.30	8—11 30 1.30—5.30

* First half year. † Except from April 9 to May 22.

SCHEDULE FOR THIRD YEAR—FIRST HALF.

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Surgery	Materia Medica	Surgery	Medicine	Surgery	Surgery
9—10	Materia Medica	Obstetrics	Gynecology	Eye and Ear Clinic Me. Gen. Hosp.	Medicine	Gynecology
10—11	Obstetrics	Medical Clinic Me. Gen. Hosp. Amphitheatre	Diseases of Eye and Ear	Surgical Clinic Me. Gen. Hosp. Amphitheatre	Obstetrics	Medicine
11—12	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.
12—1	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections
3—4		Public Hygiene				
4—5	Materia Medica	Public Hygiene	Phys. Diagnosis Greeley Hospital	Materia Medica	Skin Diseases	
5—6	Materia Medica	Genito Urinary Surgery	Phys. Diagnosis Greeley Hospital	Materia Medica	Diseases of Nose and Throat	

SCHEDULE FOR THE THIRD YEAR—SECOND HALF.

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Surgery	Materia Medica	Surgery	Medicine	Surgery	Surgery
9—10	Materia Medica	Ostetrics	Gynecology	Eye and Ear Clinic Me. Gen. Hosp.	Medicine	Gynecology
10—11	Obstetrics	Medicine Amphitheatre	Diseases of Eye and Ear	Surgery Amphitheatre	Obstetrics	Medicine
11—12	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections
12—1	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.	Dispensary Sections Phys. Exams.
2—3		Clin. Pathology	Clin. Pathology			
3—4		Clin. Pathology	Clin. Pathology			
4—5	Materia Medica	Clin. Pathology	Phys. Diagnosis Greeley Hospital	Materia Medica	Skin Diseases	
5—6	Materia Medica	Genito Urinary Surgery	Phys. Diagnosis Greeley Hospital	Materia Medica	Diseases of Nose and Throat	

SCHEDULE FOR THE FOURTH YEAR

All exercises are held in the School Building on Chadwick St., unless otherwise specified.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8—9	Infirmary. Clinics daily. Section work. Diseases of Eye and Ear, Nose and Throat. Medicine and Nervous Diseases.					Clinics throughout the day by special announcement.
9—10	Gynecology Clinic	Surgery	Medicine	Eye and Ear Clinic Me. Gen. Hosp.	Orthopedics Children's Hosp	
10—11	Gynecology Clinic	Medicine Amphitheatre	Diseases of Eye and Ear	Surgery Amphitheatre	Pediatrics Children's Hosp	Medicine, Surgery, Nervous and Mental Diseases, Genito-Urinary Surgery, Diseases of the Skin.
11—12	Pharmacology and Therapeutics	Medicine	Pharmacology and Therapeutics	Surgery	Pediatrics Children's Hosp	
12—1	Pharmacology and Therapeutics	Medicine	Pharmacology and Therapeutics	Surgery	Medicine Children's Hosp	
3—4	M G Hosp Clinic Section Medicine Surg. Children's Hospital Section Pediatrics	M. G. Hospital Clinic Section Medicine, Surg Children's Hosp. Sec. Orthopedics	M.G.Hosp Clinic Section Medicine Surg. Children's Hospital Section Pediatrics	M. G. Hospital Clinic Section Medicine, Surg. Children's Hosp Sec. Orthopedics	M G Hosp Clinic Section Medicine Surg. Children's Hosp. Section Pediatrics	
4—5	M G Hosp Clinic Section Medicine Surg. Children's Hospital Section Pediatrics	M G Hospital Clinic Section Medicine, Surg. Children's Hosp. Sec. Orthopedics	M.G.Hosp Clinic Section Medicine Surg Children's Hospital Section Pediatrics	M. G. Hospital Clinic Section Medicine, Surg. Children's Hosp Sec. Orthopedics	M G Hosp Clinic Section Medicine Surg. Children's Hospital Section Pediatrics	
5—6	Neurology	Genito-Urinary Surgery	Neurology	Surgery	Diseases of Nose and Throat	

The total number of hours in the foregoing schedule exceeds the four thousand hours recommended by the Association of American Medical Colleges. These hours are apportioned to lectures, laboratory and clinical work in such a way as to conform to the recommendations of the above-named Association.

THE LIBRARY.

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 93,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate place in the main reading room for their especial use. It is not the policy of the school to furnish text books through its library, or to buy largely in medical literature; yet by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

CALENDAR.

1911.

19 October—Thursday. Entrance Examinations: for first year students, at nine o'clock, A. M., in Brunswick.

20 October—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year, in Brunswick, in Anatomy, at nine o'clock A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

21 October—Saturday. Re-examinations, deferred examinations and examinations for advanced standing for third year, in Portland, in Anatomy at nine o'clock, A. M.; in Physiology at two o'clock, P. M.; in Chemistry as appointed by the Professor.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 20 and 21, at hours to be hereafter appointed.

Thanksgiving Recess from Wednesday, November 29, 1.30 P. M. to Monday, December 4, 8 A. M.

Recess from 4.30 P. M. Wednesday, December 20, to Tuesday, January 2, 8 A. M.

1912.

22 February—Thursday, Washington's Birthday. Holiday. No exercises.

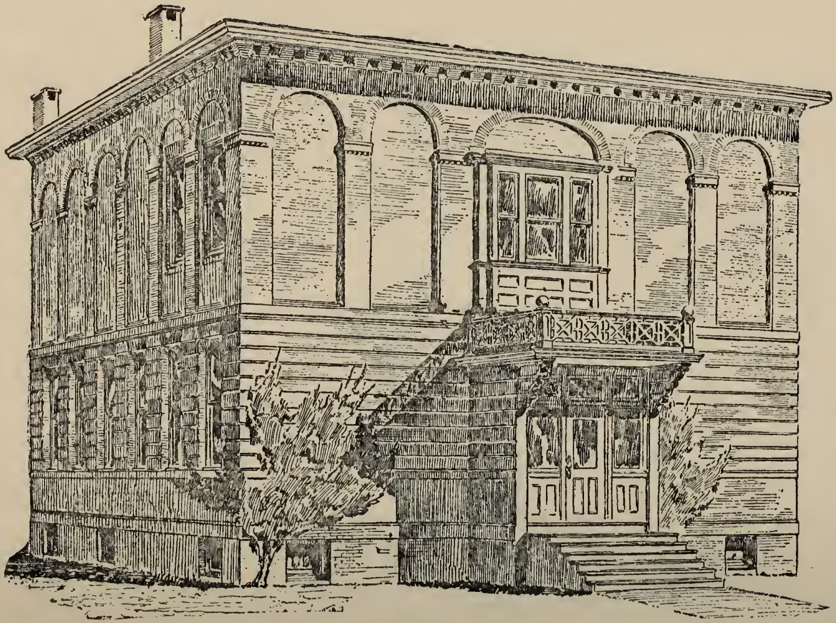
Recess from noon of Saturday, March 30, to morning of Tuesday, April 9.

30 May—Monday, Memorial Day. Holiday. No exercises.

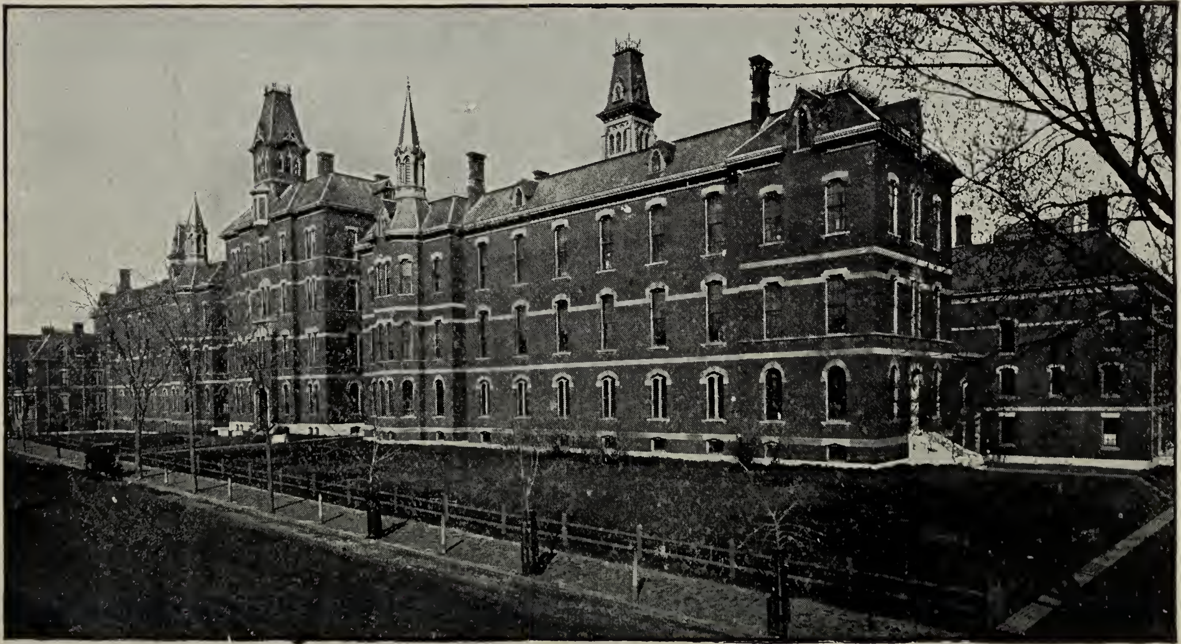
12 to 26 June—Examinations. Wednesday to Wednesday of second week.

26 June—Wednesday. Commencement.

Summer vacation of sixteen weeks.



SCHOOL BUILDING, PORTLAND



THE MAINE GENERAL HOSPITAL, PORTLAND

UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE

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1915/16

W SERIES NUMBER 61

BOWDOIN COLLEGE BULLETIN

MEDICAL DEPARTMENT NUMBER

UNIVERSITY OF ILLINOIS

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1794

1915 1916

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1915-16

BRUNSWICK, MAINE

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JULY, 1915

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CATALOGUE

of the

Bowdoin Medical School

THE MEDICAL DEPARTMENT

of

Bowdoin College

FOR THE NINETY-SIXTH YEAR

1915 1916

BRUNSWICK, - MAINE
PRINTED FOR THE COLLEGE, MDCCCCXV

Calendar

1915

October 14—Thursday. Entrance Examinations: for first year students at nine o'clock A. M., in Brunswick.

October 15—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year, in Brunswick, in Anatomy, at eight o'clock A. M.; in Physiology at two o'clock P. M.; in Chemistry at seven P. M.

October 16—Saturday. Re-examinations, deferred examinations and examinations for advanced standing for third year, in Portland, in Anatomy at nine o'clock A. M.; in Physiology at two o'clock P. M.; in Chemistry at seven P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 15 and 16, at hours to be hereafter appointed.

Thanksgiving Recess from 1.30 P. M., Wednesday, November 24, to 8 A. M., Monday, November 29.

Vacation from 6 P. M., Wednesday, December 22, to 8 A. M., Tuesday, January 4, 1916.

1916

Feb. 22—Tuesday. Washington's Birthday.

Vacation from noon Saturday, March 25, to 8 A. M., Tuesday, April 4.

April 19—Monday, Patriots' Day.

May 30—Memorial Day.

June 7 to 21—Examinations. Wednesday to Wednesday of second week.

June 22—Thursday. Commencement.

Summer vacation of sixteen weeks.

FACULTY

Rev. WILLIAM DeWITT HYDE, D.D., LL.D., President.
85 Federal Street, Brunswick.

FRANKLIN CONANT PAYSON, LL.D., *from the Board of Trustees, Lecturer on Medical Jurisprudence.*
120 Exchange Street, Portland, Maine.

DANIEL ARTHUR ROBINSON, A.M., M.D., *from the Board of Overseers.*
140 Hammond Street, Bangor, Maine.

ERNEST BOYEN YOUNG, A.B., M.D., *from the Board of Overseers.*
434 Marlboro Street, Boston, Mass.

ADDISON SANFORD THAYER, A.B., M.D., Dean, *and Professor of Medicine.*
10 Deering Street, Portland.

FRANK NATHANIEL WHITTIER, A.M., M.D., *Professor of Pathology and Bacteriology, and* Deputy Dean *in Brunswick.*
161 Maine Street, Brunswick.

WALTER EATON TOBIE, M.D., *Professor of Anatomy, and* Secretary of the Faculty.
3 Deering Street, Portland.

FREDERIC HENRY GERRISH, M.D., LL.D., *Professor Emeritus of Surgery and Professor of Medical Ethics.*
675 Congress Street, Portland.

CHARLES DENNISON SMITH, A.M., M.D., *Professor of Physiology.*
Maine General Hospital, Portland.

WILLIS BRYANT MOULTON, A.M., M.D., *Professor of Ophthalmology and Otology.*
180 State Street, Portland.

JOHN FRANKLIN THOMPSON, A.M., M.D., *Professor of Diseases of Women.*
211 State Street, Portland.

EDWARD JOSEPH McDONOUGH, A.B., M.D., *Professor of Obstetrics.*
51 Deering Street, Portland.

CHARLES HENRY HUNT, A.B., M.D., *Professor of Materia Medica, Pharmacology and Therapeutics.*
183 Spring Street, Portland.

MARSHALL PERLEY CRAM, Ph.D., *Professor of Chemistry.*
83 Federal Street, Brunswick.

ALFRED KING, A.B., Sc.D., M.D., *Professor of Surgery.*
610 Congress Street, Portland.

HENRY HERBERT BROCK, A.B., M.D., *Professor of Clinical Surgery.*
687 Congress Street Portland.

ALFRED MITCHELL, Jr., A.B., M.D., *Professor of Genito-Urinary Surgery.*
655 Congress Street, Portland.

GUSTAV ADOLF PUDOR, A.B., M.D., *Professor of Dermatology.*
134 Free Street, Portland.

Bowdoin Medical School

EDVILLE GERHARDT ABBOTT, A.M., Sc.D., M.D., *Professor of Orthopedic Surgery.* 14 Deering Street, Portland.

GILMAN DAVIS, M.D., *Professor of Diseases of the Nose and Throat.* 655 Congress Street, Portland.

FRED PATERSON WEBSTER, A.B., M.D., *Professor of Pediatrics.* 12 Pine Street, Portland.

WILLIAM HERBERT BRADFORD, A.M., M.D., *Professor of Clinical Surgery.* 208 State Street, Portland.

HENRY MARSHALL SWIFT, A.B., M.D., *Professor of Neurology.* 30 Deering Street, Portland.

HENRY DARENYDD EVANS, A.B., *Professor of Public Hygiene.* State Laboratory, Augusta.

MANTON COPELAND, Ph.D., *Professor of Embryology and Histology.* 88 Federal Street, Brunswick.

JAMES EDWARD KEATING, A.B., M.D., *Professor of Clinical Medicine.* 1 Deering Street, Portland.

THOMAS JAYNE BURRAGE, A.M., M.D., *Professor of Clinical Medicine.* 139 Park Street, Portland.

GILBERT MOLLESON ELLIOTT, A.M., M.D., *Assistant Professor and Demonstrator of Anatomy.* 152 Maine Street, Brunswick.

RICHARD DRESSER SMALL, A.B., M.D., *Assistant Professor of Obstetrics.* 154 High Street, Portland.

JOSEPH BLAKE DRUMMOND, A.B., M.D., *Assistant Professor of Anatomy.* 54 Deering Street, Portland.

ALFRED OTTO GROSS, Ph.D., *Assistant Professor of Histology and Embryology.* 11 Boody Street, Brunswick.

HERBERT FRANCIS TWITCHELL, M.D., *Instructor in Clinical Surgery.* 10 Pine Street, Portland.

WALTER DARWIN WILLIAMSON, M.D., *Instructor in Clinical Surgery.* 7 Deering Street, Portland.

CHARLES MILTON LEIGHTON, A.B., M.D., *Instructor in Clinical Surgery.* 365 Congress Street, Portland.

WILLIS BEAN MOULTON, A.B., M.D., *Instructor in Diseases of Women.* 655 Congress Street, Portland.

PHILIP PICKERING THOMPSON, A.B., M.D., *Instructor in Diseases of Women.* 203 State Street, Portland.

LOUIS ANDREW DERRY, A.B., M.D., *Instructor in Materia Medica, Pharmacology and Therapeutics.* 261 Congress Street, Portland.

WILLIAM WHEELER BOLSTER, A.B., M.D., *Instructor in Physiology* 149 College Street, Lewiston.

EDWIN MOTLEY FULLER, A.B., M.D., *Instructor in Pathology and Bacteriology.* 808 High Street, Bath.

FRANCIS JOSEPH WELCH, A.B., M.D., *Instructor in Pulmonary Diseases.* 698 Congress Street, Portland.

HAROLD JOSSELYN EVERETT, A.B., M.D,, *Instructor in Obstetrics.* 727 Congress Street, Portland,

Faculty

CARL MERRILL ROBINSON, A.B., M.D., *Instructor in Anatomy and Superintendent of the Dispensary.* 332 Spring Steet, Portland.

LEON STANLEY LIPPINCOTT, A.B., M.D., *Instructor in Physiology.* 8 Noble Street, Brunswick.

HARRY SMITH EMERY, A.B., M.D., *Instructor in Clinical Medicine.* 721 Stevens Avenue, Portland.

ERNEST WOODBURY FILES, A.B., M.D., *Instructor in Clinical Medicine.* 522 Deering Avenue, Portland.

HERBERT ELDRIDGE MILLIKEN, M.D., *Instructor in Medicine.* 156 Free Street, Portland.

RICHARD FITCH CHASE, M.D., *Instructor in Gastro-Enterology.* 30 Deering Street, Portland.

FORREST CLARK TYSON, M.D., *Instructor in Mental Diseases.* State Hospital, Augusta.

PHILIP WESTON MESERVE, A.B., *Instructor in Chemistry.* Brunswick.

HAROLD ASHTON PINGREE, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.

FRANCIS WILSON LAMB, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.

ORAMEL ELISHA HANEY, M.D., *Clinical Assistant in Surgery.* 528 Deering Avenue, Portland.

LUCINDA BLAKE HATCH, M.D., *Clinical Assistant in Obstetrics.* 27 Deering Street, Portland.

ROLAND BANKS MOORE, M.D., *Clinical Assistant in Pediatrics.* 768 Congress Street, Portland.

ALBION HENRY LITTLE, M.D., *Clinical Assistant in Diseases of the Eye and Ear.* 763 Congress Street, Portland.

ERNEST BERTRAND FOLSOM, A.B., M.D., *Clinical Assistant in Medicine.* 77 Granite Street, Portland.

STANWOOD ELMAR FISHER, M.D., *Clinical Assistant in Disease. of the Nose and Throat.* 190 State Street, Portland.

MILLARD CARROLL WEBBER, A.B., M.D., *Clinical Assistant in Diseases of the Eye.* 849 Congress Street, Portland.

MERLON ARDEEN WEBBER, A.B., M.D., *Assistant in Surgery.* 312 Congress Street, Portland.

ALFRED WILLIAM HASKELL, M.D., *Clinical Assistant in Ophthalmology.* 145 High Street, Portland.

ERASTUS EUGENE HOLT, Jr., A.B., M.D., *Clinical Assistant in Opthalmology.* 723 Congress Street, Portland.

JOHN HOWARD ALLEN, M.D., *Clinical Assistant in Otology.* 717 Congress Street, Portland.

ELMER HENRY KING, A.B., M.D., *Assistant Demonstrator of Anatomy.* 821 Congress Street, Portland.

GEORGE THOMAS LITTLE, Litt.D., *Librarian.* 8 College Street, Brunswick.

Students in 1914-15

FOURTH YEAR—Class of 1915

Name	Residence
Anderson, William DeLue	Portland
Blaisdell, Elton Randolph	Brunswick
Collins, Frank Laforest	Oakland
Dennett, Carl George	Saco
Echols, Francis Sherman	Hartford, Conn.
Gordon, Isaac Louis	Lincoln
Gray, Carl Dinsmore	Madison
Hale, Herbert Francis, A.B.	New Sharon
Hambleton, Holland George	Brunswick
Hutchins, Eugene Leslie	No. New Portland
Johnson, Linwood Hill	Portland
Kinghorn, Charles Wesley	Yarmouthville
Lombard, Herbert Luther, A.B.	Bridgton
*McFarland, Lawrence, A.B.	Woodfords
Mansfield, Burleigh Burton	South Hope
O'Connor, William John	Augusta
Oram, Julius Calvin, A.B.	Bristol
Parcher, Arthur Hale, A.B.	Ellsworth
Pillsbury, Nahum Roy	Biddeford
Pletts, Robert Cole	Brunswick
Smith, Frank Arthur, A.B.	Calais
Tibbetts, George Alton, A.B.	Brunswick
Woodcock, Allan, A.B.	Bangor

*Deceased

THIRD YEAR—Class of 1916

Name	Residence
Clark, Raymond Willis	Franklin
Cummings, George Otis, A.B.	Portland
Fernald, Clarence Joel, A.B.	Hebron
Grant, Alton Levicount, Jr., A.B.	Lewiston
Holmes, Percy Kendall, A.M.	East Stroudsburg, Penn.
Kupelian, Nessib Simon, A.B., B.D.	Tarsus, Turkey
Leavenworth, William Satterlee	Norwich, Conn.
Moulton, Bryant Edward, A.B.	Portland
Richardson, Clyde Earle, A.B.	Strong
Twaddle, Gard Wilson	Bethel

Students

SECOND YEAR—Class of 1917

Name	Residence
Baker, Clarence, B.P.E.	Colo, Iowa
Carter, Loren Frank	Bradley
Dalrymple, Sidney Collingwood	W. Medford, Mass.
Dixon, Henry Campbell, A.B.	Moosup, Conn.
Haywood, Ralph Winson	Salem, Mass.
Howes, Herbert Martin, A.B.	Brunswick
Josselyn, Royce Brewster, Ph.C.	So. Hanson, Mass.
Knapp, Frank Norris	East Livermore
Makepeace, True Edgecomb, A.B.	Farmington
Morris, Robert, A.B.	Brunswick
Sleeper, Frank Eugene, Jr., A.B.	Sabattus

FIRST YEAR—Class of 1916

Name	Residence
Carll, Francis Whipple	Waterboro
Chenery, Frederick Lincoln, B.S.	Wayne
Cristy, George Linsley, A.B.	Bath
Dorman, Horatio Nelson, A.B.	Franklin, N. H.
Drake, Eugene Henry, A.B.	Pittsfield
Dyer, Curtis William	Cornish
Dyer, Henry Lathrop	Fryeburg
Edmunds, Charles Stover	Bangor
Follett, Earle Christy	Davidson
Freeman, William Everett	Bath
Hamel, John Ralph, A.B.	Portland
Hargraves, Frank Hobart Lord	West Buxton
Holt, William, A.B.	North Bridgton
Ireland, Allen Gilbert	Brunswick
Kershulis, John Julias, Ph.G.	Amsterdam, N. Y.
Kimball, James Calvin	Dorchester, Mass.
Mathews, Floyd Osborn	St. Albans
Morrison, Charles Carr, Jr., A.B.	Bar Harbor
Moulton, Manning Cole, A.B.	Portland
Nevers, Frank Alexander, A.B.	Houlton
O'Connor, Denis Stanislaus	Biddeford
Small, William Drew, A.B.	Brunswick
Stanhope, Charles Nason, A.B.	Dover
Stevenson, Frank White	Brownville
Taber, Thomas Henry	New Bedford, Mass.
Topham, John James	Springvale

SUMMARY

FOURTH YEAR	23
THIRD YEAR	10
SECOND YEAR	11
FIRST YEAR	26
TOTAL	70

GRADUATES OF 1915

WILLIAM DELUE ANDERSON	Portland
ELTON RANDOLPH BLAISDELL	Brunswick
FRANK LAFOREST COLLINS	Oakland
CARL GEORGE DENNETT	Saco
FRANCIS SHERMAN ECHOLS	Hartford, Conn.
ISAAC LOUIS GORDON	Lincoln
CARL DINSMORE GRAY	Madison
HERBERT FRANCIS HALE, A.B.	New Sharon
HOLLAND GEORGE HAMBLETON	Brunswick
EUGENE LESLIE HUTCHINS	No. New Portland
LINWOOD HILL JOHNSON	Portland
CHARLES WESLEY KINGHORN	Yarmouthville
HERBERT LUTHER LOMBARD, A.B.	Bridgton
BURLEIGH BURTON MANSFIELD	South Hope
WILLIAM JOHN O'CONNOR	Augusta
JULIUS CALVIN ORAM, A.B.	Bristol
ARTHUR HALE PARCHER, A.B.	Ellsworth
NAHUM ROY PILLSBURY	Biddeford
ROBERT COLE PLETTS	Brunswick
FRANK ARTHUR SMITH, A.B.	Calais
GEORGE ALTON TIBBETTS, A.B.	Brunswick
ALLAN WOODCOCK, A.B.	Bangor

Announcement.

The Bowdoin Medical School was established in 1821 by the first Legislature of the State of Maine, and was placed under the control of the Trustees and Overseers of Bowdoin College.

The course of instruction covers four years of thirty-six weeks each. The studies are distributed as follows:

FIRST YEAR: Anatomy, Embryology, Histology, Physiology, Chemistry, Personal Hygiene.

SECOND YEAR: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

THIRD YEAR: Medicine, Surgery, Clinical Pathology, Materia Medica and Pharmacology, Public Hygiene, Diseases of Women, Obstetrics, Diseases of the Eye, Ear, Nose, Throat, Skin, and Genito-Urinary System.

FOURTH YEAR: Medicine, Surgery, Orthopedic Surgery, Therapeutics, Medical Jurisprudence, Medical Ethics, Diseases of Children, Neurology, and Mental Diseases, with additional clinical instruction in the studies of the third year.

The students of the first and second years are instructed at Brunswick, where the scientific departments of Bowdoin College contribute facilities for teaching the primary branches. The third and fourth year classes are taught in Portland on account of the clinical advantages afforded in that city.

As heretofore, the Maine General Hospital (140 beds) will furnish opportunities for bedside study. Other institutions in Portland, including the Maine Eye and Ear Infirmary, the City Hospital, the Children's Hospital, the Marine Hospital, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, the Maine School for the Deaf and the Maine School for the Blind will continue to contribute to the instruction of the students of the Medical School. The Edward Mason Dispensary, a gift to Bowdoin College from Mr. and

Mrs. Hugh J. Chisholm, increases notably the facilities for clinical teaching.

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 103,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room for their especial use. It is not the policy of the School to furnish text-books through its library, or to buy largely in medical literature; yet by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

The library of the Maine Academy of Medicine and Science, now the property of the Maine Medical Association, is housed conveniently at the Maine Eye and Ear Infirmary, and is available for the use of students of the Medical School.

The expenses of maintenance of this school are defrayed in greater part by the income from invested funds, especially from the Merritt-Garcelon bequest. A large number of students is neither expected nor desired. Modern methods in medical education demand individual instruction. The Boards of Bowdoin College and the teachers in the Medical School believe that the record of long and honorable service, which the school has secured, can be maintained best, if the number of students is small, and the standard of teaching is high.

The ninety-sixth annual course will begin on Thursday, the 14th of October, 1915, and will continue thirty-six weeks.

ADMISSION

The requirement for admission is one year of study in a reputable college, in which time particular attention shall have been given to physics, chemistry, biology, and either French or German. Two years of college work are advised, and in and after the autumn of 1916 will be required from all candidates for admission.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed courses of instruction and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates stating that examinations have been passed in other schools are not accepted in lieu of examinations.

Time spent in pharmaceutical, dental and veterinary institutions does not entitle a student to examinations for advanced standing.

Graduates of other schools are not eligible for a degree from this school without attendance upon a full year of instruction immediately preceding the examination for such a degree.

Examinations for admission to the school will be held at nine o'clock on the morning of the first day, Thursday, the 14th of October, in Brunswick.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick on Friday, the 15th of October. Examinations in anatomy at eight o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 16. Examinations in anatomy at nine o'clock A. M., in physiology at two o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 15th and 16th, at hours to be hereafter appointed.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Secretary.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

An examination which is not complete receives no consideration.

The systematic course of instruction will begin on Monday morning, the 18th of October, 1915.

On arriving in Brunswick students should apply to the Deputy Dean, Dr. F. N. Whittier, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply, for the same purpose, at the office in the medical building, Chadwick street.

GRADUATION

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass satisfactory examinations in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

EXPENSES

For Instruction: In each of the required four years $100. This shall be paid promptly, one-half at the opening of the course and the balance on the first Tuesday in February.

For Examinations: Payable at the close of the term of instruction,

In Anatomy	$5.00
In Physiology	5.00
In Chemistry	5.00
In Bacteriology and Pathology	5.00
In Obstetrics	5.00

These five fees are credited on the diploma or graduation fee.

For every re-examination in any of the departments in any year, $3.00. This fee is not credited on the diploma fee.

For examination or re-examination in any branch, at a time not regularly appointed, a fee of $5.00 must be paid in addition to the prescribed fee for that examination.

Miscellaneous: The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $3.00 for first course, $2.00 for second course, payable in advance.

For materials used in the physiological laboratory, $2.00 for first course, $1.00 for second course, payable in advance.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

COURSES OF INSTRUCTION

ANATOMY

Professor Tobie, Assistant Professors Elliott and Drummond and Doctors Robinson, Lippincott and King

1. Systematic Anatomy. Lectures, demonstrations and recitations. Whole year: Tuesday, Friday, 9.30-10.30, except six weeks following the Easter vacation. Professor Tobie

2. Recitations. Gerrish's Text-Book. Tuesday, 8.15-9.15, until the Easter vacation. Assistant Professor Drummond

3. Recitations. Gerrish's Text-Book. Friday, 8.15-9.15. Doctor Robinson

4. Osteology and Arthrology. Recitations and student demonstrations from the dried specimens. Whole year: Thursday, 8.15-9.15 and 9.30-10.30, except six weeks following the Easter vacation. Assistant Professor Drummond

Courses 1, 2, 3, 4 cover osteology, arthrology, myology and splanchnology, the last including the central nervous system and special sense organs. Surface anatomy is studied on the living model and free use is made of dissected specimens, models and casts with which the Calvin Seavey museum is well supplied. Students are provided with disarticulated skeletons which remain in their possession throughout the year.

For First year students.

5. Practical Anatomy. Dissecting. Six weeks following the Easter vacation: six half-days a week.

Professor Tobie, Assistant Professors Elliott and Drummond and Doctors Robinson, Lippincott and King

One hundred and thirty-five hours are devoted to practical anatomy and at least one part of the cadaver is dissected.

For First year students.

6. Systematic and Applied Anatomy. Lectures, demonstra-

tions and quizzes. Whole year: Tuesday, Friday, 8.15-9.15, except six weeks following the Easter vacation.

PROFESSOR TOBIE

This course includes systematic consideration of myology, angiology and neurology. Regional and applied anatomy are treated by lectures, quizzes and demonstrations, the last named involving the use of casts, recent and dried specimens and the living model.

7. Recitations. Gerrish's Text-Book. Myology, angiology, and neurology. Tuesday, 9.30-10.30, until the Easter vacation.

ASSISTANT PROFESSOOR DRUMMOND

8. Recitations. Gerrish's Text-Book. Friday, 9.30-10.30.

DOCTOR ROBINSON

Courses 6, 7, 8 are for Second year students.

9. Dissecting. Six weeks following the Easter vacation: daily, 8.00-11.30 and 1.30-5.30.

PROFESSOR TOBIE, ASSISTANT PROFESSORS ELLIOTT AND DRUMMOND AND DOCTORS ROBINSON, LIPPINCOTT AND KING

During the dissecting term students are required to dissect and demonstrate a complete lateral half of the cadaver. In recent years the abundant supply of dissecting material has enabled each student to dissect practically twice the required number of parts. Second year students are required to spend two hundred and seventy hours in the anatomical laboratory and this requirement also, is usually exceeded.

For Second year students.

CHEMISTRY

PROFESSOR CRAM AND MR. MESERVE

1. Analytical Chemistry. First half-year: Monday, Wednesday, Friday, 1.30-4.30.

MR. MESERVE

This course assumes a knowledge of first year chemistry which is required for entrance. The aim of the course is not so much to train analysts as to impart familiarity with chemical substances and principles. The work is mainly in the laboratory, the book used being Tower's Qualitative Chemical Analysis. Most of the time is devoted to qualitative analysis which is followed by a few exercises in quantitative.

For First year students.

2. Organic Chemistry. Second half-year; same hours, except that the Wednesday hours are omitted for the six weeks following the Easter vacation. MR. MESERVE

This course is given mainly by lectures with some laboratory work in the preparation of certain organic compounds. Attention is given to the important classes into which organic compounds are divided and to properties and reactions common to the whole class, rather than to specific compounds and special reactions. The compounds chosen to illustrate each class are as far as possible those of importance to the physician.

3 and 4. Physiological Chemistry. Whole year; Thursday, 8.30-12.30, except six weeks following the Easter vacation. PROFESSOR CRAM

The book used is Hawk's Practical Physiological Chemistry. The work is mainly in the laboratory, supplemented by assigned readings and quizzes. This is followed by urinary analysis, the analysis of foods, detection of poisons, and the analysis of drugs and medicines.

First year men who have had satisfactory courses in analytical chemistry and organic chemistry, take the regular work in physiological chemistry with the Second year men their First year. In their Second year such men will be given an opportunity to do advanced individual work in the newer methods of urinary analysis and in research. Men desiring to be excused from either first year course should present certificates from previous instructors stating the rank which they have received.

The aim is to make the chemical courses as practical as possible. To this end the student is taught how to construct apparatus and prepare reagents as well as to use them. Particular attention is given also to the literature so that a man may become familiar with the standard works of reference in each department. For this the equipment of the Searles Science Building is fully adequate.

Each student is required to pay in advance at the office of the Deputy Dean a laboratory fee, covering the average cost of chemicals, gas and water. This is $3.00 for the First year and $2.00 for the Second year. In addition each will pay for apparatus broken or not returned at the end of the term.

DERMATOLOGY

Professor Pudor

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

DISEASES OF THE NOSE AND THROAT

Professor Davis

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

Special attention will be given to the anatomy of the parts, to diagnosis, and to the clinical study of the conditions which the general practitioner is most often called upon to treat. Clinical instruction will continue through the Fourth year.
For Third year students.

GENITO-URINARY SURGERY

Professor Alfred Mitchell, Jr.

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

GYNECOLOGY

Professor Thompson and Doctors W. Bean Moulton and Philip P. Thompson

Lectures, quizzes, recitations and demonstrations. Whole year: Wednesday, 10.00. Professor Thompson

For Third year students.

2. Course in the examination of female patients. History-taking, instruction in "Touch Examinations." Dispensary. Whole year: Monday, Thursday, 11.00.

Doctors W. Bean Moulton and Philip P. Thompson

For Fourth year students.

3. A course in the microscopical examination of fresh and prepared sections from gynecological cases. Twelve hours during the second half-year. Doctor W. Bean Moulton

For Fourth year students.

4. Gynecological operations at the Maine General Hospital of which notice is given.

HISTOLOGY AND EMBRYOLOGY

Professor Copeland and Assistant Professor Gross

1. Histology. Text-book, lectures and laboratory exercises. First half-year: Monday, 8.30-11.30, Thursday, 1.30-4.30.

The elementary tissues are first studied, then the microscopic anatomy of the various organs of the human body. Some practice is provided in histological technic.

For First year students.

2. Embryology. Text-book, lectures and laboratory exercises. Second half-year: Monday, 10.30-12.30, Tuesday, 1.30-5.30.

This course serves as an introduction to vertebrate embryology with special reference to the human embryo. It treats of the reproductive cells, maturation, fertilization, cleavage, the formation of the germ layers, the development of the primitive segments, the formation of the fetal membranes and organogeny.

For First year students.

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS

Professor Hunt and Doctor Derry

1. Pharmacology. First half-year: Monday, 8.00-9.00, Tuesday, 8.00-9.00.

This is a text-book course of thirty hours. It gives the student a general idea of the action of the more important drugs.

For Third year students.

2. Laboratory Materia Medica and Pharmacology. First half-year: Monday, Thursday, 4.00-6.00.

This is a laboratory course of sixty hours. Early in the course are taken up Plant, Chemistry, the manufacture of pharmaceutical preparations and the study of incompatibles. The last three-fourths of the course are devoted to experimental pharmaco-dynamics. The students perform experiments, either individually or in groups, on living animals. These experiments give the students a first-hand knowledge of the action of the more important drugs.

For Third year students.

3. Pharmacology and Therapeutics. Second half-year: Monday, 8.00-9.00, Tuesday, 8.00-9.00.

This is a lecture course of thirty hours. Instruction is by lectures and quizzes. The systematic study of drugs and other remedial agents and their application to the treatment of disease is begun.

For Third year students.

4. Continuation of Course 3. First half-year: Monday, Wednesday, 11.00-1.00.

This is a course of sixty hours.

For Fourth year students.

5. Therapeutics. Second half-year: Monday, Wednesday, 11.00-1.00.

This is a text-book course of sixty hours.

For Fourth year students.

The total number of hours of instruction in this department is 240.

MEDICAL ETHICS

Professor Gerrish

Medical Ethics. First half-year: Saturday.

A course of lectures on the moral principles, which should control the conduct of the medical practitioner. The sections of the formal code of ethics are discussed and explained, special emphasis being laid upon those portions that most need elucidation; and instruction is given upon various other matters concerning duty, on which the young physician particularly needs advice and guidance.

For Fourth year students.

MEDICAL JURISPRUDENCE

LECTURER PAYSON

Medical Jurisprudence. Second half-year: Saturday.

The instruction in Medical Jurisprudence, in a course of twelve or fifteen lectures followed by an examination, will be directed to a discussion of and practical suggestions about:

First: The legal relations between physicians and their patients.

Second: The rights and obligations of physicians when appearing in Courts of Justice as medical expert witnesses.

Third: Certain subjects in legal medicine of importance to physicians which do not fall within either of the foregoing divisions.

For Fourth year students.

MEDICINE

PROFESSORS THAYER, KEATING AND BURRAGE, AND DOCTORS WELCH, MILLIKEN, EMERY, FILES AND FOLSOM

1. A preliminary survey of the whole field of Practice of Medicine as covered in the text-book of Osler. Three hours a week. PROFESSOR KEATING

2. Practical instruction in physical examinations. Sections. Dispensary. Six hours a week.

PROFESSOR BURRAGE AND DOCTORS WELCH, MILLIKEN AND FOLSOM

3. Clinical Diagnosis. City Hospital. Two hours a week. PROFESSOR THAYER

4. Tuberculosis clinic. Dispensary. Sections. Tuesday and Friday, 11.30 to 1.00. DOCTOR WELCH

Courses 1, 2, 3 and 4 aim especially to teach a practical technic in the making of succinct case-histories, in the physical examination of patients, and in the laboratory study of blood, stomach-contents, faeces, urine and sputum.

For Third year students.

5. Bedside and laboratory study in wards. Maine General Hospital. Sections. Ten hours a week.

PROFESSOR KEATING AND DOCTORS EMERY AND FILES

6. Specially assigned topics. Case reports. Clinical conferences. Two hours a week. PROFESSOR THAYER

7. Amphitheatre clinic. Tuesday, 9.00-11.00.

PROFESSOR THAYER

Courses 5, 6 and 7 are intended to teach each student to sift his facts,—to correlate the subjective symptoms related by the patient with his own objective findings after examination,—and to reason soundly in the direction of prognosis and treatment.

For Fourth year students.

MENTAL DISEASES

DOCTOR TYSON

Lectures. Laboratory demonstrations. Clinics. Examinations of cases by individual students. Three entire Saturdays at the Maine Insane Hospital.

For Fourth year students.

NEUROLOGY

PROFESSOR SWIFT

Clinics. Lectures. Laboratory work. Recitations. Whole year, Tuesday, Friday, 5.00-6.00.

For Fourth year students.

OBSTETRICS

PROFESSOR MCDONOUGH, ASSISTANT PROFESSOR SMALL, AND DOCTORS HATCH AND EVERETT

1. Lecture or Conference. Monday, Friday, 9.00-10.00.

PROFESSOR MCDONOUGH

2. Quiz. Saturday, 9.00-10.00.

ASSISTANT PROFESSOR SMALL

3. Section work on manikin. Hours to be assigned.

Doctor Everett

4. Examinations of patients to determine position and pelvic measurements, and attendance on cases. At Dispensary under direction of Doctor Everett, and at Temporary Home under direction of Doctor Hatch.

Arrangements have been made with the Boston Lying-in Hospital whereby students who have passed examination in obstetrics at end of Third year, will attend course of ten days or two weeks during summer or fall. If assignments come during school term, credit for attendance is allowed those absent in Boston. There is no added expense. Students must present certificates of attendance on at least six cases (the average number is ten) before presenting themselves for graduation.

OPHTHALMOLOGY AND OTOLOGY

Professor Willis Bryant Moulton and Doctors Little, M. C. Webber, Allen and Holt

1. Lecture and quiz course. Whole year: one hour a week.
2. Clinics. Maine General Hospital. Whole year: one hour a week during the year.
3. Clinics. Dispensary. Whole year: two hours a week.
4. Fourth year students will receive instruction in sections at the Eye and Ear Infirmary.

ORTHOPEDIC SURGERY

Professor Abbott and Doctors Pingree and Lamb

1. Didactic and clinical lectures. Children's Hospital. One hour a week.
2. Individual instruction in clinical examinations, plaster work, dressings and studies in the use of the X-ray. Sections. Ten hours a week.

For Fourth year students.

PATHOLOGY, BACTERIOLOGY AND HYGIENE

Professor Whittier and Doctors Fuller and Lippincott

Courses of Instruction

1. Hygiene. Lectures and laboratory work. Second half-year: Thursday, 1.30-4.30, Friday, 10.30-12.30, except six weeks following the Easter vacation.

> Eighteen of the hours are didactic and twenty-seven are laboratory work. Lectures are given on personal hygiene and include such subjects as exercise, ventilation, sources of food and water supply, first aid in emergency cases, effects of alcohol, and sex hygiene. The course is also designed to give an introduction to Bacteriology and includes introductory lectures on that subject. The laboratory work includes simpler bacteriological technic, microscopical examination of foods, practical experiments in disinfection and routine examinations of water and milk.
>
> For First year students.

2. Bacteriology. Lectures and laboratory work. First half-year until Christmas vacation: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

> This course occupies sixteen hours a week for nine weeks. Forty of the hours are didactic and one hundred and four are laboratory hours. Students are required to prepare most of the media and solutions used in this course. Each student is required to cultivate upon media twelve varieties of pathogenic bacteria and to study their characteristics. Animal inoculations and autopsies are performed by the students. Special attention is given to laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.
>
> For Second year students.

3. General Pathology, including Pathological Histology, also Pathology of the Blood. From Christmas vacation to the end of the year except six weeks following the Easter vacation: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

> This course occupies sixteen hours a week for fifteen weeks. Sixty of the hours are didactic and devoted to quizzes and lectures and one hundred and eighty are laboratory hours. Mallory's text-book is used as a basis for the course in Pathological Histology. The text-book is supplemented by lectures on Gross Pathology and special subjects. As far as possible the consideration of a subject in the classroom is followed by a study of the same subject in the laboratory. Much time is given be-

fore the Easter vacation to diagnosis work upon the microscopical preparations. The last two weeks of the course are devoted largely to the study of the pathology of the blood and the technic of blood examinations. Students are trained in counting red and white corpuscles, in estimating amount of hemoglobin, in preparation and examination of stained specimens.

For Second year students.

4. Clinical Pathology. Practical work by assignment in the Portland hospitals and in the school laboratory. Also scheduled work in the school laboratory from the Easter vacation to the end of the year: Tuesday, 2.00-5.00, Wednesday, 2.00-4.00.

The scheduled course occupies five hours a week for nine weeks. Eighteen of the hours are didactic, and twenty-seven are laboratory hours. The course in Clinical Pathology occupies at least eighty hours. Of these only forty-five are scheduled.

Arrangements have been made with the Maine General Hospital, the Maine Eye and Ear Infirmary and the Edward Mason Dispensary for Third year students to do pathological work in these institutions. Regular assignments are made and reports of work done required. By arrangement with the physicians in charge special attention is given to the clinical side of this work.

Instruction is given as opportunity occurs at surgical clinics and autopsies. In the work at the Medical School building each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Edward Mason Dispensary. Whenever possible students are required to obtain material from the patients.

Students receive special training in the technic of preparing bacterial vaccines, also in performing the Wassermann test for syphilis.

For Third year students.

PEDIATRICS

Professor Webster and Doctor Moore

1. Recitations based on text-book, together with clinical demonstrations at the Children's Hospital. First half-year: Monday, 5.00, Medical School; Wednesday, 10.00, Children's Hospital.

2. Recitations conducted by the case teaching method, emphasizing differential diagnosis and treatment. Second half-year: at the same hours.

3. Clinical instruction of small sections. Whole year: Tuesday, Thursday, Saturday, 11.00-1.00, Edward Mason Dispensary.

Infant care and feeding at the Portland Milk Station clinic.

Diseases and disorders of children at the Dispensary clinic.

4. Clinical instruction in acute diseases of childhood at the Children's Hospital and at the Female Orphan Asylum. By appointment throughout the school year.

Courses 1, 2, 3, 4 are for Fourth year students.

PHYSIOLOGY

Professor Smith and Doctors Bolster and Lippincott

1. Functions of Nutrition. First half-year: recitations and lectures until December 1; from December 1 to March 28, laboratory work twice weekly, 8.00-10.30. A total of 88 hours.

Doctor Bolster

This course will include the graphic study of Nerve-Muscle physiology; the physical and microscopical study of Blood; the phenomena and physics of Circulation, Respiration, Secretion, Excretion and Digestion; Metabolism and Animal Heat.

The laboratory is equipped with a set of Harvard apparatus sufficient for the use of the entire class in groups, each group having its own complete outfit. There is an ample equipment of demonstration and other apparatus and models.

There are frequent written reviews and quizzes and a final laboratory examination is held at the close of this course.

2. Continuation of Course 1. Recitations, supplementary lectures and demonstrations. Second half-year: Wednesday, Saturday, 8.15-10.30.

Professor Smith

Courses 1, 2, are for First year students.

3. Functions of Relation. Recitations and lectures with nec-

essary demonstrations. From opening of year to March 28, twice weekly, 8.15-10.30. PROFESSOR SMITH

The work includes the study of Reproduction, the Nervous System, the Physiology of Voice and Speech, the Special Senses, and the mechanics of the Muscular System. The equipment in models of the Nervous System and Special Sense organs is ample for all demonstration work, and students will have opportunity for personal study of the models of the Nervous System which are of the latest design and of special excellence.

4. Laboratory demonstration exercise, in connection with the Nervous System and the Special Senses. This course will cover over 40 hours. December, January, February, March: Monday, 8.00-11.00. PROFESSOR SMITH AND DOCTOR LIPPINCOTT

Work in Physiology for the Second year students is suspended for the six weeks of the dissecting term and resumed for review recitations at its close.

Courses 3, 4 are for Second year students.

Instruction in the department of Physiology will be conducted with particular reference to the practical application of the facts of human physiology to the needs of the student in his study of the diagnosis and treatment of disease.

A laboratory fee will be charged to defray the cost of material, which fee must be paid at the office of the Deputy Dean before beginning the laboratory course. This fee is $2.00 for the First year and $1.00 for the Second year. Students furnish at their own expense necessary instruments for nerve-muscle dissection, and are charged with the cost of loss and injury to apparatus.

PUBLIC HYGIENE

PROFESSOR EVANS

Public Hygiene. First half-year: Tuesday, 2.45 to 4.45.

Principles of public sanitation. Source and character of public and private water supplies and the interpretation of the results of their analysis. Collection and disposal of waste sewage and garbage with reference to preventable diseases. Health boards, and their relation to the public. Study of the epidemiology of infectious disease.

For Third year students.

Courses of Instruction

SURGERY

Professors King, Brock and Bradford, and Doctors Twitchell, Williamson, C. M. Leighton, Haney and M. A. Webber

1. General Surgery. Whole year: Wednesday, Friday, Saturday, 8.00-9.00.

There will be special instruction in bandaging, surgical technic, the administration of anaesthetics, the use of surgical instruments, the principles of surgery, general surgery, fractures, dislocations and hernias. This will enable students to enter upon their fourth year with a comprehensive view of surgery.

For Third year students.

2. Clinical General Surgery. Whole year: Maine General Hospital, Thursday, 10.00; Mason Dispensary, Monday, 12.00-1.00.

The clinic at the Maine General Hospital will be given by a member of the visiting staff. The clinical instruction at the Mason Dispensary will be given by the professor of surgery.

For Third year students.

3. Special Surgery. Whole year: Monday, Friday, 9.00-10.00, Thursday, 5.00-6.00.

There will be instruction in the special surgery of the various organs and tissues of the body, except those taught in special departments.

For Fourth year students.

4. Clinical Special Surgery. Whole year: Ward visits in sections at the Maine General Hospital, Monday, Tuesday, Thursday, Saturday, 11.00-1.00. Operations in the amphitheatre. Operations by students on the cadaver.

Students will be notified by telephone of accident cases brought to the Hospital. They will also be afforded opportunities by the surgical staff of the Mason Dispensary of observing and assisting in the care of cases in their daily service. The surgical clinical advantages of the City Hospital, Marine Hospital and other institutions in Portland will be utilized. While a large amount of surgical clinical material is available, it is the purpose of the School to use it in a way to strengthen and not lead to the neglect of other and essential studies.

For Fourth year students.

SCHEDULE FOR FIRST YEAR

A. M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30	*Histology	*Anatomy §Anatomy	Physiology	*Osteology ‡Anatomy §Anatomy	§Anatomy	Physiology
9.30	*Histology	*‡Anatomy §Anatomy	Physiology	*Osteology ‡Anatomy §Anatomy	*‡Anatomy §Anatomy	Physiology
10.30	*Histology †Embryology	§Anatomy		§Anatomy	‡Hygiene §Anatomy	
11.30	*Embryology				‡Hygiene	
P. M. 1.30	*Chemistry	†Embryology	*Chemistry §Anatomy	*Histology ‡Hygiene §Anatomy	*Chemistry	§Anatomy
2.30	Chemistry	†Embryology	*‡Chemistry §Anatomy	*Histology ‡Hygiene §Anatomy	Chemistry	§Anatomy
3.30	Chemistry	†Embryology	*‡Chemistry §Anatomy	*Histology ‡Hygiene §Anatomy	Chemistry	§Anatomy
4.30	†Chemistry	†Embryology	‡Chemistry		†Chemistry	

* First half year.
† Second half year.
‡ Second half year except from April 4—May 17, 1916.
§ Dissecting second half year April 4—May 17, 1916.

SCHEDULE FOR SECOND YEAR

A. M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30	*Physiology †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy	‡Chemistry †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy
9.30	*Physiology †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy	‡Chemistry †Anatomy	†Anatomy	‡Physiology †Anatomy
10.30	†Anatomy	†Anatomy	†Anatomy	‡Chemistry †Anatomy	†Anatomy	†Anatomy
11.30	†Anatomy	†Anatomy	†Anatomy	‡Chemistry †Anatomy	†Anatomy	†Anatomy
P. M. 1.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
2.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
3.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
4.30	‡Pathology Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy

* January—February—March.
† Dissecting—April 4—May 17, 1916.
‡ Except from April 4—May 17, 1916.

SCHEDULE FOR THIRD YEAR

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Materia Medica	Materia Medica	Surgery	Medicine	Surgery	Surgery
9—10	Obstetrics	Medical Clinic Me. Gen. Hosp.	Gynecology	Eye and Ear Clinic Me. Gen. Hosp.	Obstetrics	Obstetrics
10—11		Medical Clinic Me. Gen. Hosp.		Surgical Clinic Me. Gen. Hosp.		
11—12	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections
12—1	Dispensary Surgery	Dispensary Medicine	Dispensary Eye and Ear	Dispensary Skin	Dispensary Nose and Throat	Dispensary G. U. Surgery
2—3		†Clin. Pathology	†Clin. Pathology			
3—4		*Public Hygiene †Clin. Pathology	†Clin. Pathology			
4—5	Materia Medica	*Public Hygiene †Clin. Pathology	Med. Diagnosis City Hospital	Materia Medica	Medicine	
5—6	Materia Medica	Medicine	City Hospital	Materia Medica	Surgery	

* First half year. † April 4 to end of year. Other hours by appointment.

SCHEDULE FOR FOURTH YEAR

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.
9—10	Surgery	Medicine O.	Orthopedics C.	Eye, Ear Clin. M.	Surgery	Clinics and Lectures by special announcement. Surgery, Medicine, Nervous and Mental Diseases, Pediatrics, G. U. Surgery, Medical Jurisprudence, Medical Ethics
10—11	Medicine	Medicine O.	Pediatrics C.	Surgery N.	Medicine	
11—1	Sect. Surg. M. Gynecol. D.	Sect. Surg. M. Pediat D.	Pharmacol. and Therap.	Sect. Surg. M. Gyn. Ped., D.	Pharmacol. and Therap.	
3—5	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	
5—6	Pediatrics	Neurology C.		Surgery	Neurology C.	

Sect.—Section. M.—Maine General Hospital. C.—Children's Hospital. D.—Dispensary.
I.—Eye and Ear Infirmary. O.—Old Amphitheatre. N.—New Surgical Amphitheatre.

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CATALOGUE

OF THE

BOWDOIN MEDICAL SCHOOL

THE MEDICAL DEPARTMENT

OF

BOWDOIN COLLEGE

FOR THE NINETY-SEVENTH YEAR

1916 1917

BRUNSWICK, MAINE
PRINTED FOR THE COLLEGE
MDCCCCXVI

Calendar

1916

October 12—Thursday. Entrance Examinations: for first year students at nine o'clock A. M., in Brunswick.

October 13—Friday. Re-examinations, deferred examinations and examinations for advanced standing for second year, in Brunswick, in Anatomy, at eight o'clock A. M., in Physiology at two o'clock P. M.; in Chemistry at seven P. M.

October 14—Saturday. Re-examinations, deferred examinations and examinations for advanced standing for third year, in Portland, in Anatomy at nine o'clock A. M.; in Physiology at two o'clock P. M.; in Chemistry at seven P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 13 and 14, at hours to be hereafter appointed.

Thanksgiving Recess from 12:30 P. M., November 29, to 8 A. M., December 4.

Vacation from 12:30 P. M., December 23, to 8 A. M., January 2, 1917.

1917

Feb. 22—Thursday. Washington's Birthday.

Vacation from 4:30 P. M., March 23, to 8 A. M., April 3.

April 19—Patriots' Day.

May 30—Memorial Day.

June 6 to 20—Examinations. Wednesday to Wednesday of second week.

June 21—Thursday. Commencement.

Summer vacation of sixteen weeks.

FACULTY

Rev. WILLIAM DeWITT HYDE, D.D., LL.D., President.
85 Federal Street, Brunswick.

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120 Exchange Street, Portland, Maine.

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FRANCIS WILSON LAMB, M.D., *Clinical Assistant in Orthopedics.* 156 Free Street, Portland.

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ALBERT WILLIS MOULTON, A.B., M.D., *Assistant in Ophthalmology and Otology.* 180 State Street, Portland.

GERALD GARDNER WILDER, A.B., *Librarian.* 2 Page Street, Brunswick.

Students in 1915-16

FOURTH YEAR—Class of 1916

Name	Residence
Clarke, Raymond Willis	Franklin.
Cummings, George Otis, A.B.	Portland.
Fernald, Clarence Joel, A.B.	Hebron.
Grant, Alton Levicount, Jr., A.B.	Lewiston.
Holmes, Percy Kendall, A.M.	East Stroudsburg, Penn.
Kupelian, Nessib Simon, A.B., B.D.	Tarsus, Turkey.
Leavenworth, William Satterlee	Fort H. G. Wright, N. Y.
Moulton, Bryant Edward, A.B.	Portland.
Richardson, Clyde Earle, A.B.	Strong.
Twaddle, Gard Wilson	Bethel.

THIRD YEAR—Class of 1917

Name	Residence
Baker, Clarence, B.P.E.	Colo, Iowa.
Carter, Loren Frank	Bradley.
Dalrymple, Sidney Collingwood	W. Medford, Mass.
Dixon, Henry Campbell, A.B.	Oneco, Conn.
Haywood, Ralph Winson	Salem, Mass.
Howes, Herbert Martin, A.B.	Franconia, N. H.
Josselyn, Royce Brewster, Ph.C.	So. Hanson, Mass.
Knapp, Frank Norris	East Livermore.
Makepeace, True Edgecomb, A.B.	Farmington.
Morris, Robert, A.B.	Brunswick.
Stevenson, Frank White	Brownville.

SECOND YEAR—Class of 1918

Name	Residence
Carll, Francis Whipple	Waterboro.
Chenery, Frederick Lincoln, B.S.	Wayne.

Cristy, George Linsley, A.B.	Bath.
Dorman, Horatio Nelson, A.B.	Franklin, N. H.
Dyer, Curtis William	Cornish.
Dyer, Henry Lathrop	Fryeburg.
Follett, Earl Christie	Davidson.
Freeman, William Everett	Bath.
Hamel, John Ralph, A.B.	Portland.
Holt, William, A.B.	North Bridgton.
Hubbard, Roswell Earl, A.B.	Hatfield, Mass.
Ireland, Allen Gilbert	Cambridge, Mass.
Kimball, James Calvin	Dorchester, Mass.
Morrison, Charles Carr, Jr., A.B.	Bar Harbor.
Moulton, Manning Cole, A.B.	Portland.
Nevers, Frank Alexander, A.B.	Houlton.
O'Connor, Denis Stanislaus	Biddeford.
Sleeper, Frank Eugene, Jr., A.B.	Sabattus.
Small, William Drew, A.B.	Brunswick.
Stanhope, Charles Nason, A.B.	Dover.
Taber, Thomas Henry	New Bedford, Mass.
Topham, John James	Springvale.

FIRST YEAR—Class of 1919

Name	Residence
Allen, Harry Everett, A.B.	Brunswick.
Beal, George Napoleon	Jonesport.
Carde, Albert Martin, Jr.	Bowdoinham.
Edmunds, Charles Storer	Bangor.
Fraser, Samuel, B.S.	Masardis.
Gordon, Charles Howard	Ashland, N. H.
King, Frederick Melville	Damariscotta.
Kershulis, John Julius, Ph.G.	Amsterdam, N. Y.
Knowlton, Frank Earle, A.B.	Brunswick.
Mannix, Daniel Maurice, A.B.	Portland.
Mathews, Floyd Osborn	St. Albans.
Nickerson, Norman Hunt, A.B.	Red Beach.
Patchanian, Giragos, Haroutune, A. B.	Marash, Asia Minor.

Students

Renaud, Ulric Joseph	Brockton, Mass.
Toothaker, Bernard Leroy	Strong.
Tower, Elmer Madison	Southwest Harbor.
Walker, Harry Burton, A.B.	Biddeford.
White, Langdon Robert, B.S.	Bath.

SUMMARY

Fourth Year	10
Third Year	11
Second Year	22
First Year	18
Total	61

GRADUATES

Clark, Raymond Willis	Franklin
Cummings, George Otis, A.B.	Portland
Fernald, Clarence Joel, A.B.	Hebron
Grant, Alton Levicount, Jr., A.B.	Lewiston
Holmes, Percy Kendall, A.M.	East Stroudsburg, Penn.
Kupelian, Nessib Simon, A.B., B.D.	Tarsus, Turkey
Leavenworth, William Satterlee	Fort H. G. Wright, N. Y.
Moulton, Bryant Edward, A.B.	Portland
Richardson, Clyde Earle, A.B.	Strong
Twaddle, Gard Wilson	Bethel

Announcement

The Bowdoin Medical School was established in 1821 by the first Legislature of the State of Maine, and was placed under the control of the Trustees and Overseers of Bowdoin College.

The course of instruction covers four years of thirty-six weeks each. The studies are distributed as follows:

First Year: Anatomy, Embryology, Histology, Physiology, Chemistry, Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Medicine, Surgery, Clinical Pathology, Materia Medica and Pharmacology, Public Hygiene, Diseases of Women, Obstetrics, Diseases of the Eye, Ear, Nose, Throat, Skin, and Genito-Urinary System.

Fourth Year: Medicine, Surgery, Orthopedic Surgery, Therapeutics, Medical Jurisprudence, Medical Ethics, Diseases of Children, Neurology, and Mental Diseases, with additional clinical instruction in the studies of the third year.

The students of the first and second years are instructed at Brunswick, where the scientific departments of Bowdoin College contribute facilities for teaching the primary branches. The third and fourth year classes are taught in Portland on account of the clinical advantages afforded in that city.

As heretofore, the Maine General Hospital (140 beds) will furnish opportunities for bedside study. Other institutions in Portland, including the Maine Eye and Ear Infirmary, the City Hospital, the Children's Hospital, the Marine Hospital, the Female Orphan Asylum, the St. Elizabeth's Orphan Asylum, the Holy Innocents' Home, the Maine School for the Deaf and the Maine School for the Blind will continue to contribute to the instruction of the students of the Medical School. The Edward Mason Dispensary, a gift to Bowdoin College from Mr.

and Mrs. Hugh J. Chisholm, increases notably the facilities for clinical teaching.

The Library of the Medical School, containing over 5,000 volumes, has been combined with that of the College, which numbers over 103,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room for their especial use. It is not the policy of the School to furnish text-books through its library, or to buy largely in medical literature; yet by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the Librarian is able to procure for use in serious investigation almost any book that may be desired.

The library of the Maine Academy of Medicine and Science, now the property of the Maine Medical Association, is housed conveniently at the Maine Eye and Ear Infirmary, and is available for the use of students of the Medical School.

The expenses of maintenance of this school are defrayed in greater part by the income from invested funds, especially from the Merritt-Garcelon bequest. A large number of students is neither expected nor desired. Modern methods in medical education demand individual instruction. The Boards of Bowdoin College and the teachers in the Medical School believe that the record of long and honorable service, which the school has secured, can be maintained best, if the number of students is small, and the standard of teaching is high.

The ninety-seventh annual course will begin on Thursday, the 12th of October, 1916, and will continue thirty-six weeks.

ADMISSION

The requirement for admission is two years of study in a reputable college, in which time particular attention shall have been given to physics, chemistry, biology, and either French or German.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed courses of instruction and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates stating that examinations have been passed in other schools are not accepted in lieu of examinations.

Time spent in pharmaceutical, dental and veterinary institutions does not entitle a student to examinations for advanced standing.

Graduates of other schools are not eligible for a degree from this school without attendance upon a full year of instruction immediately preceding the examination for such a degree.

Examinations for admission to the school will be held at nine o'clock on the morning of the first day, Thursday, the 12th of October, in Brunswick.

Re-examinations, deferred examinations and examinations for advanced standing for those who desire to enter the second year will be held in Brunswick on Friday, the 13th of October. Examinations in anatomy at eight o'clock A. M.; in physiology at two o'clock P. M.; in chemistry at seven o'clock P. M.

Re-examinations, deferred examinations and examinations for advanced standing for those wishing to enter the third year will be held in Portland on Saturday, October 14. Examinations in anatomy at nine o'clock A. M.; in physiology at two o'clock P. M.; in chemistry at seven o'clock P. M.

Re-examinations, deferred examinations and examinations for those wishing to enter the fourth year will be held in Portland on Friday and Saturday, October 13th and 14th, at hours to be hereafter appointed.

At the end of the first, second and third years, students who have passed successful examinations will receive certificates from the Secretary.

A student who fails to pass any branch at the required examination in June, may present himself for re-examination at the beginning of the next course. If he fails at this examination he shall not again be examined in that branch until the expiration of the year, unless admitted to conditions by vote of the faculty on recommendation of the head of the department in which he has failed.

On recommendation of the head of a department, any student who has failed on examinations as above provided in the study of that department, may by vote of the faculty be allowed to enter upon the work of the next year, but he shall not be admitted to any examination of that year until he shall have passed a satisfactory examination in the study or studies which he had previously failed to pass.

No student will be admitted to the privilege of conditions if he has failed in more than two departments.

An examination which is not complete receives no consideration.

The systematic course of instruction will begin on Monday morning, the 16th of October, 1916.

On arriving in Brunswick students should apply to the Deputy Dean, Dr. F. N. Whittier, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply, for the same purposes, at the office in the medical building, Chadwick street.

GRADUATION

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examinations must have been in this school. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass satisfactory examinations in the required studies previously specified and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

EXPENSES

For Instruction: In each of the required four years $100. This shall be paid promptly, one-half at the opening of the course and the balance on the first Tuesday in February.

For Examinations: Payable at the close of the term of instruction,

In Anatomy	$5.00
In Physiology	5.00
In Chemistry	5.00
In Bacteriology and Pathology	5.00
In Obstetrics	5.00

These five fees are credited on the graduation fee.

For every re-examination in any of the departments in any year, $3.00. This fee is not credited on the graduation fee.

For examination or re-examination in any branch, at a time not regularly appointed, a fee of $5.00 must be paid in addition to the prescribed fee for that examination.

Miscellaneous: The Matriculation fee of $5.00 is required of every student each year.

For materials used in the chemical laboratory courses, $3.00 for first course, $2.00 for second course, payable in advance.

For materials used in the physiological laboratory, $2.00 for first course, $1.00 for second course, payable in advance.

For anatomical material, its cost, payable in advance.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been paid in the examination fees of the previous years.

COURSES OF INSTRUCTION

ANATOMY

Lecturer Drummond, Assistant Professors Elliott and Robinson and Doctors Lippincott and King

1. Systematic Anatomy. Lectures, demonstrations and recitations. Whole year: Tuesday, Friday, 9.30-10.30, except six weeks following the Easter vacation. Lecturer Drummond.

2. Recitations. Gerrish's Text-Book. Tuesday, 8.15-9.15, until the Easter vacation. Assistant Professor Robinson

3. Recitations. Gerrish's Text-Book. Friday, 8.15-9.15. Doctor King

4. Osteology and Arthrology. Recitations and student demonstrations from the dried specimens. Whole year: Thursday, 8.15-9.15 and 9.30-10.30, except six weeks following the Easter vacation. Assistant Professor Robinson

Courses 1, 2, 3, 4 cover osteology, arthrology, myology and splanchnology, the last including the central nervous system and special sense organs. Surface anatomy is studied on the living model and free use is made of dissected specimens, models and casts with which the Calvin Seavey museum is well supplied. Students are provided with disarticulated skeletons which remain in their possession throughout the year.

5. Practical Anatomy. Dissecting. Six weeks following the Easter vacation: six half-days a week.

Lecturer Drummond, Assistant Professors Elliott and Robinson and Doctors Lippincott and King

One hundred and thirty-five hours are devoted to practical anatomy and at least one part of the cadaver is dissected.

For First year students.

6 Systematic and Applied Anatomy. Lectures, demonstra-

tions and quizzes. Whole year: Tuesday, Friday, 8.15-9.15, except six weeks following the Easter vacation.

LECTURER DRUMMOND

This course includes systematic consideration of myology, angiology and neurology. Regional and applied anatomy are treated by lectures, quizzes and demonstrations, the last named involving the use of casts, recent and dried specimens and the living model.

7. Recitations. Gerrish's Text-Book. Myology, angiology, and neurology. Tuesday, 9.30-10.30, until the Easter vacation.

ASSISTANT PROFESSOR ROBINSON

8. Recitations. Gerrish's Text-Book. Friday, 9.30-10.30.

DOCTOR KING

Courses 6, 7, 8 are for Second year students.

9. Dissecting. Six weeks following the Easter vacation: daily, 8.00-11.30 and 1.30-5.30.

LECTURER DRUMMOND, ASSISTANT PROFESSORS ELLIOTT AND ROBINSON AND DOCTORS LIPPINCOTT AND KING

During the dissecting term students are required to dissect and demonstrate a complete lateral half of the cadaver. In recent years the abundant supply of dissecting material has enabled each student to dissect practically twice the required number of parts. Second year students are required to spend two hundred and seventy hours in the anatomical laboratory and this requirement also, is usually exceeded.

For Second year students.

CHEMISTRY

PROFESSOR CRAM AND ASSISTANT PROFESSOR MESERVE

1. *Organic Chemistry. First year from October until January. Monday, Wednesday and Friday, 1.30-4.30.

This course is required of all first year students who have not had satisfactory preparation in organic chemistry. Beginning in October 1917, when organic chemistry will be required for admission, this course will be discontinued, and all of the time of the first year allotted to chemistry will be given to physiological chemistry.

2. Physiological Chemistry. First year from January to June. Same hours as Course 1, except that the Wednesday hours are omitted for the six weeks following the Easter vacation.

The book used is Hawk's Practical Physiological Chemistry. The work is mainly in the laboratory, supplemented by assigned readings and quizzes.

3 and 4. Physiological Chemistry. Whole year: Thursday, 8.30-12.30, except six weeks following the Easter vacation.

*This course will not be given after the year 1916-17.

DERMATOLOGY

Professor Pudor

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

DISEASES OF THE NOSE AND THROAT

Professor Davis

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

Special attention will be given to the anatomy of the parts, to diagnosis, and to the clinical study of the conditions which the general practitioner is most often called upon to treat. Clinical instruction will continue through the Fourth year.

For Third year students.

GENITO-URINARY SURGERY

Professor Alfred Mitchell, Jr. and Doctor Whitmore

Didactic and clinical lectures. Dispensary. One hour a week. Clinic sections, one hour a week.

For Third year students.

GYNECOLOGY

Professor Thompson and Doctors W. Bean Moulton and Philip P. Thompson

Lectures, quizzes, recitations and demonstrations. Whole year: Wednesday, 10.00. Professor Thompson

For Third year students.

2. Course in the examination of female patients. History-taking, instruction in "Touch Examinations." Dispensary. Whole year: Monday, Thursday, 11.00.
Doctors W. Bean Moulton and Philip P. Thompson.

For Fourth year students.

3. A course in the miscroscopical examination of fresh and prepared sections from gynecological cases. Twelve hours during the second half-year. Doctor W. Bean Moulton

For Fourth year students.

4. Gynecological operations at the Maine General Hospital of which notice is given.

HISTOLOGY AND EMBRYOLOGY

Professor Copeland and Assistant Professor Gross

1. Histology. Text book, lectures and laboratory exercises. First half-year: Monday, 8.30-11.30, Thursday, 1.30-4.30.

The elementary tissues are first studied, then the microscopic anatomy of the various organs of the human body. Some practice is provided in histological technic.

For First year students.

2. Embryology. Text-book, lectures and laboratory exercises. Second half-year: Monday, 10.30-12.30, Tuesday, 1.30-5.30.

This course serves as an introduction to vertebrate embryology with special reference to the human embryo. It treats of the reproductive cells, maturation, fertilization, cleavage, the formation of the germ layers, the development of the primitive segments, the formation of the fetal membranes and organogeny.

For First year students.

MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS

Professor Hunt and Doctor Derry

1. Pharmacology. First half-year: Monday, 8.00-9.00, Tuesday, 8.00-9.00.

This is a text-book course of thirty hours. It gives the student a general idea of the action of the more important drugs.

For Third year students.

2. Laboratory Materia Medica and Pharmacology. First half-year: Monday, Thursday, 4.00-6.00.

This is a laboratory course of sixty hours. Early in the course are taken up Plant Chemistry, the manufacture of pharmaceutical preparations and the study of incompatibles. The last three-fourths of the course are devoted to experimental pharmaco-dynamics. The students perform experiments, either individually or in groups, on living animals. These experiments give the students a first-hand knowledge of the action of the more important drugs.

For Third year students.

3. Pharmacology and Therapeutics. Second half-year: Monday, 8.00-9.00, Tuesday, 8.00-9.00.

This is a lecture course of thirty hours. Instruction is by lectures and quizzes. The systematic study of drugs and other remedial agents and their application to the treatment of disease is begun.

For Third year students.

4. Continuation of Course 3. First half-year: Monday, Wednesday, 11.00-1.00.

This is a course of sixty hours.

For Fourth year students.

5. Therapeutics. Second half-year: Monday, Wednesday, 11.00-1.00.

This is a text-book course of sixty hours.
For Fourth year students.
The total number of hours of instruction in this department is 240.

MEDICAL ETHICS

Acting Lecturer Robinson

Medical Ethics. First half-year: Saturday.

A course of lectures on the moral principles, which should control the conduct of the medical practitioner. The sections of the formal code of ethics are discussed and explained, special emphasis being laid upon those portions that most need elucidation; and instruction is given upon various other matters concerning duty, on which the young physician particularly needs advice and guidance.

For Fourth year students.

MEDICAL JURISPRUDENCE

Lecturer Payson

Medical Jurisprudence. Second half-year: Saturday.

Lectures in Medical Jurisprudence, followed by an examination, will be directed to a discussion of and practical suggestions about:

First: The legal relations between physicians and their patients.

Second: The rights and obligations of physicians when appearing in Courts of Justice as medical expert witnesses.

Third: Certain subjects in legal medicine of importance to physicians which do not fall within either of the foregoing divisions.

For Fourth year students.

MEDICINE

Professors Thayer, Keating and Burrage, and Doctors Welch, Milliken, Emery, Files and Folsom

1. A preliminary survey of the whole field of Practice of Medicine as covered in the text-book of Osler. Three hours a week. Professor Keating

2. Practical instruction in physical examinations. Sections. Dispensary. Six hours a week.
Professor Burrage and Doctors Welch, Milliken and Folsom

3. Clinical Diagnosis. City Hospital. Two hours a week.
Professor Thayer

4. Tuberculosis clinic. Dispensary. Sections. Tuesday, 11.30-1.00.
Doctor Welch

Courses 1, 2, 3 and 4 aim especially to teach a practical technic in the making of succinct case-histories, in the physical examination of patients, and in the laboratory study of blood, stomach-contents, faeces, urine and sputum.

For Third year students.

5. Bedside and laboratory study in wards. Maine General Hospital. Sections. Ten hours a week.
Professor Keating and Doctors Emery and Files

6. Specially assigned topics. Case reports. Clinical conferences. Two hours a week.
Professor Thayer

7. Amphitheatre clinic. Tuesday, 9.00-11.00.
Professor Thayer

Courses 5, 6 and 7 are intended to teach each student to sift his facts,—to correlate the subjective symptoms related by the patient with his own objective findings after examination,—and to reason soundly in the direction of prognosis and treatment.

For Fourth year students.

MENTAL DISEASES

Doctor Tyson

Lectures. Laboratory demonstrations. Clinics. Examinations of cases by individual students. Three entire Saturdays at the Maine Insane Hospital.

For Fourth year students.

NEUROLOGY

PROFESSOR SWIFT

Clinics. Lectures. Laboratory work. Recitations. Whole year, Tuesday, Friday, 5.00-6.00.

For Fourth year students.

OBSTETRICS

PROFESSOR McDONOUGH, ASSISTANT PROFESSOR SMALL, AND DOCTORS EVERETT AND HATCH

1. Lecture or Conference. Monday, Friday, 9.00-10.00.
2. Quiz. Saturday, 9.00-10.00.

ASSISTANT PROFESSOR SMALL

3. Section work on manikin. Hours to be assigned.

DOCTOR EVERETT
PROFESSOR McDONOUGH

4. Examinations of patients to determine position and pelvic measurements, and attendance on cases. At Dispensary under direction of Doctor Everett, and at Temporary Home under direction of Doctor Hatch.

Arrangements have been made with the Boston Lying-in Hospital whereby students who have passed examinations in obstetrics at end of Third year, will attend a course of ten days or two weeks during summer or fall. If assignments come during school term, credit for attendance is allowed those absent in Boston. There is no added expense. Students must present certificates of attendance on at least six cases (the average number is ten) before presenting themselves for graduation.

OPHTHALMOLOGY AND OTOLOGY

PROFESSOR WILLIS BRYANT MOULTON AND DOCTORS WEBBER, ALLEN, HOLT AND A. W. MOULTON

1. Lecture and quiz course. Whole year: one hour a week.
2. Clinics. Maine General Hospital. Whole year: one hour a week during the year.

3. Clinics. Dispensary. Whole year: two hours a week.

4. Fourth year students will receive instruction in sections at the Eye and Ear Infirmary.

ORTHOPEDIC SURGERY

Professor Abbott and Doctors Pingree and Lamb

1. Didactic and clinical lectures. Children's Hospital. One hour a week.

2. Individual instruction in clinical examinations, plaster work, dressings and studies in the use of the X-ray. Sections. Ten hours a week.

For Fourth year students.

PATHOLOGY, BACTERIOLOGY AND HYGIENE

Professor Whittier and Doctors Fuller and Lippincott

1. Hygiene. Lectures and laboratory work. Second half-year: Thursday, 1.30-4.30, Friday, 10.30-12.30, except six weeks following the Easter vacation.

Eighteen of the hours are didactic and twenty-seven are laboratory work. Lectures are given on personal hygiene and include such subjects as exercise, ventilation, sources of food and water supply, first aid in emergency cases, effects of alcohol, and sex hygiene. The course is also designed to give an introduction to Bacteriology and includes introductory lectures on that subject. The laboratory work includes simpler bacteriological technic, microscopical examination of foods, practical experiments in disinfection and routine examinations of water and milk.

For First year students.

2. Bacteriology. Lectures and laboratory work. First half-year until the Thanksgiving recess: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

This course occupies sixteen hours a week for seven weeks. Thirty-five of the hours are didactic and seventy-seven are laboratory hours. Students are required to prepare most of the media and solutions used in this course. Each student is required to cultivate upon media twelve varieties of pathogenic bacteria and to study their characteristics. Animal inoculations and autopsies are performed by the students. Special attention is given to laboratory diagnosis of tuberculosis, diphtheria and typhoid fever.

For Second year students.

3. General Pathology, including Pathological Histology, also Pathology of the Blood. From Thanksgiving recess to the end of the year except six weeks following the Easter vacation: Monday, Tuesday, Wednesday, Friday, 1.30-5.30.

This course occupies sixteen hours a week for seventeen weeks. Sixty-five of the hours are didactic and devoted to quizzes and lectures and two hundred and seven are laboratory hours. Mallory's text-book is used as a basis for the course in Pathological Histology. The text-book is supplemented by lectures on Gross Pathology and special subjects. As far as possible the consideration of a subject in the classroom is followed by a study of the same subject in the laboratory. Much time is given before the Easter vacation to diagnosis work upon microscopical preparations. The last two weeks of the course are devoted largely to the study of the pathology of the blood and the technic of blood examinations. Students are trained in counting red and white corpuscles, in estimating amount of hemoglobin, in preparation and examination of stained specimens.

For Second year students.

4. Clinical Pathology. Practical work by assignment in the Portland hospitals and in the school laboratory. Also scheduled work in the school laboratory from the Easter vacation to the end of the year: Tuesday, 2.00-5.00, Wednesday, 2.00-4.00.

The scheduled course occupies five hours a week for nine weeks. Eighteen of the hours are didactic, and twenty-seven are laboratory hours. The course in Clinical Pathology occupies at least eighty hours. Of these only forty-five are scheduled.

Arrangements have been made with the Maine General Hospital, the Maine Eye and Ear Infirmary and the Edward Mason Dispensary for Third year students to do pathological work in these institutions. Regular assignments are made and reports of work done required. By arrangement with the physicians in charge special attention is given to the clinical side of this work.

Instruction is given as opportunity occurs at surgical clinics and autopsies. In the work at the Medical School building each student examines microscopically tissues and other pathological material obtained at the Maine General Hospital, Maine Eye and Ear Infirmary, Children's Hospital and Edward Mason Dispensary. Whenever possible students are required to obtain material from the patients.

Students receive special training in the technic of preparing bacterial vaccines, also in performing the Wassermann test for syphilis.

For Third year students.

PEDIATRICS

PROFESSOR WEBSTER AND DOCTOR MOORE

1. Recitations based on text-book, together with clinical demonstrations at the Children's Hospital. First half-year: Monday, 5.00, Medical School; Wednesday, 10.00, Children's Hospital.

2. Recitations conducted by the case teaching method, emphasizing differential diagnosis and treatment. Second half-year: at the same hours.

3. Clinical instruction of small sections. Whole year: Tuesday, Thursday, Saturday, 11.00-1.00, Edward Mason Dispensary.

Infant care and feeding at the Portland Milk Station clinic.

Diseases and disorders of children at the Dispensary clinic.

4. Clinical instruction in acute diseases of childhood at the Children's Hospital and at the Female Orphan Asylum. By appointment throughout the school year.

Courses 1, 2, 3, 4 are for Fourth year students.

PHYSIOLOGY

Professor Smith and Doctors Bolster and Lippincott

1. Functions of Nutrition. First half-year: recitations and lectures until December 1; from December 1 to March 28, laboratory work twice weekly, 8.00-10.30. A total of 88 hours.
Doctor Bolster

This course will include the graphic study of Nerve-Muscle physiology; the physical and microscopical study of Blood; the phenomena and physics of Circulation, Respiration, Secretion, Excretion and Digestion, Metabolism and Animal Heat.

The laboratory is equipped with a set of Harvard apparatus sufficient for the use of the entire class in groups, each group having its own complete outfit. There is an ample equipment of demonstration and other apparatus and models.

There are frequent written reviews and quizzes and a final laboratory examination is held at the close of this course.

2. Continuation of Course 1. Recitations, supplementary lectures and demonstrations. Second half-year: Wednesday, Saturday, 8.15-10.30.
Professor Smith

Courses 1, 2, are for First year students.

3. Functions of Relation. Recitations and lectures with necessary demonstrations. From opening of year to March 28, twice weekly, 8.15-10.30.
Professor Smith

The work includes the study of Reproduction, the Nervous System, the Physiology of Voice and Speech, the Special Senses, and the mechanics of the Muscular System. The equipment in models of the Nervous System and Special Sense organs is ample for all demonstration work, and students will have opportunity for personal study of the models of the Nervous System which are of the latest design and of special excellence.

4. Laboratory demonstration exercise, in connection with the Nervous System and the Special Senses. This course will cover over 40 hours. December, January, February, March: Monday, 8.00-11.00.
Professor Smith and Doctor Lippincott

Work in Physiology for the Second year students is suspended for the six weeks of the dissecting term and resumed for review recitations at its close.

Courses 3, 4 are for Second year students.

Instruction in the department of Physiology will be conducted with particular reference to the practical application of the facts of human physiology to the needs of the student in his study of the diagnosis and treatment of disease.

A laboratory fee will be charged to defray the cost of material, which fee must be paid at the office of the Deputy Dean before beginning the laboratory course. This fee is $2.00 for the First year and $1.00 for the Second year. Students furnish at their own expense necessary instruments for nerve-muscle dissection, and are charged with the cost of loss and injury to apparatus.

Recitations in this department will be from Halliburton's Text Book of Physiology, Blakiston's Edition.

PUBLIC HYGIENE

Professor Evans

Public Hygiene. First half-year: Tuesday, 2.45-4.45.

Principles of public sanitation. Source and character of public and private water supplies and the interpretation of the results of their analysis. Collection and disposal of waste sewage and garbage with reference to preventable diseases. Health boards, and their relation to the public. Study of the epidemiology of infectious disease.

For Third year students.

SURGERY

Professors Tobie, Brock and Bradford, and Doctors Twitchell, Williamson, C. M. Leighton, Dyson, P. W. Davis and Haney

1. General Surgery. Whole year: Wednesday, Friday, Saturday, 8.00-9.00.

There will be special instruction in bandaging, surgical technic, the administration of anaesthetics, the use of surgical instruments, the principles of surgery, general surgery, fractures, dislocations and hernias. This will enable students to enter upon their fourth year with a comprehensive view of surgery.

For Third year students.

2. Clinical General Surgery. Whole year: Maine General Hospital, Thursday, 10.00; Edward Mason Dispensary, Monday, 12.00-1.00.

The clinic at the Maine General Hospital will be given by a member of the visiting staff. The clinical instruction at the Edward Mason Dispensary will be given by the professor of surgery.

For Third year students.

3. Special Surgery. Whole year: Monday, Friday, 9.00-10.00, Thursday, 5.00-6.00.

There will be instruction in regional surgery and surgical anatomy, excluding parts taught in special departments.

For Fourth year students.

4. Clinical Special Surgery. Whole year: Ward visits in sections at the Maine General Hospital, Monday, Tuesday, Thursday, Saturday, 11.00-1.00. Operations in the amphitheatre. Operations by students on the cadaver.

Students will observe and take part in the treatment of patients at the Edward Mason Dispensary. A large part of the practical instruction will be given at the Maine General Hospital; but the clinical material of other institutions in Portland will be utilized at the discretion of the surgical teaching staff.

For Fourth year students.

SCHEDULE FOR FIRST YEAR

A. M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30	*Histology	*Anatomy §Anatomy	Physiology	*Osteology ‡Anatomy §Anatomy	§Anatomy	Physiology
9.30	*Histology	*‡Anatomy §Anatomy	Physiology	*Osteology ‡Anatomy §Anatomy	*‡Anatomy §Anatomy	Physiology
10.30	*Histology †Embryology	§Anatomy		§Anatomy	‡Hygiene §Anatomy	
11.30	*Embryology				‡Hygiene	
P. M. 1.30	*Chemistry	†Embryology	*Chemistry §Anatomy	*Histology ‡Hygiene §Anatomy	*Chemistry	§Anatomy
2.30	Chemistry	†Embryology	*‡Chemistry §Anatomy	*Histology ‡Hygiene §Anatomy	Chemistry	§Anatomy
3.30	Chemistry	†Embryology	*‡Chemistry §Anatomy	*Histology ‡Hygiene §Anatomy	Chemistry	§Anatomy
4.30	†Chemistry	†Embryology	‡Chemistry		†Chemistry	

* First half year.
† Second half year.
‡ Second half year except from April 3—May 16, 1917.
§ Dissecting second half year April 3—May 16, 1917.

SCHEDULE FOR SECOND YEAR

A. M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30	*Physiology †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy	‡Chemistry †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy
9.30	*Physiology †Anatomy	‡Anatomy †Anatomy	‡Physiology †Anatomy	‡Chemistry †Anatomy	†Anatomy	‡Physiology †Anatomy
10.30	†Anatomy	†Anatomy	†Anatomy	‡Chemistry †Anatomy	†Anatomy	†Anatomy
11.30	†Anatomy	†Anatomy	†Anatomy	‡Chemistry †Anatomy	†Anatomy	†Anatomy
P. M. 1.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
2.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
3.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy
4.30	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy	‡Pathology & Bacteriology †Anatomy	†Anatomy

* December—January—February—March.
† Dissecting—April 3—May 16, 1917.
‡ Except from April 3—May 16, 1917.

SCHEDULE FOR THIRD YEAR

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Materia Medica	Materia Medica	Surgery	Medicine	Surgery	Surgery
9—10	Obstetrics	Medical Clinic Me. Gen. Hosp.	Gynecology	Eye and Ear Clinic Me. Gen. Hosp.	Obstetrics	Obstetrics
10—11		Medical Clinic Me. Gen. Hosp.		Surgical Clinic Me. Gen. Hosp.		
11—12	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections	Dispensary Clinic Sections
12—1	Dispensary Surgery	Dispensary Medicine	Dispensary Eye and Ear	Dispensary Skin	Dispensary Nose and Throat	Dispensary G. U. Surgery
2–3		†Clin. Pathology	†Clin. Pathology			
3—4		*Public Hygiene †Clin. Pathology	†Clin. Pathology			
4—5	Materia Medica	*Public Hygiene †Clin. Pathology	Med. Diagnosis City Hospital	Materia Medica	Medicine	
5—6	Materia Medica	Medicine	City Hospital	Materia Medica	Surgery	

* First half year. † April 3 to end of year. Other hours by appointment.

SCHEDULE FOR FOURTH YEAR

All exercises are held in the School Building on Chadwick Street, unless otherwise specified.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8—9	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.	Sect. C. I.
9—10	Surgery	Medicine O.	Orthopedics C.	Eye, Ear Clin. M.	Surgery	Clinics and Lectures by special announcement. Surgery, Medicine, Nervous and Mental Diseases, Pediatrics, G. U. Surgery, Medical Jurisprudence, Medical Ethics
10—11	Medicine	Medicine O.	Pediatrics C.	Surgery N.	Medicine	
11—1	Sect. Surg. M. Gynecol. Med. D.	Sect. Surg. M. Med., Ped., D.	Pharmacol. and Therap.	Sect. Surg. M. Med., Ped., D.	Pharmacol. and Therap.	
3—5	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	Clin. Sect. C. Med. M.	
5—6	Pediatrics	Neurology C.		Surgery	Neurology C.	

Sect.—Section. M.—Maine General Hospital. C.—Children's Hospital. D.—Dispensary.
I.—Eye and Ear Infirmary. O.—Old Amphitheatre. N.—New Surgical Amphitheatre.

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